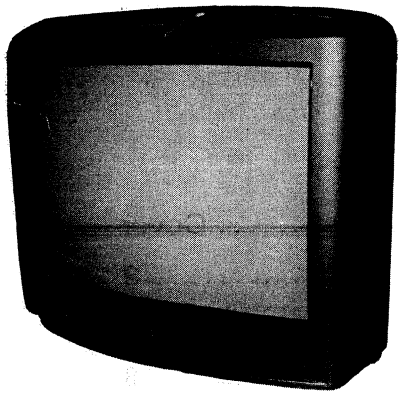
ORDER NO. MTV9610001C3

Service Manual



Colour Television

TC–25L10R
TC–2525R
TX–25L10X

MX–4 Chassis

Specifications

Power Source : AC Auto 110/240, 50/60Hz

Power Consumption : 140 W (Max)
6 W (Stand–by condition)

Aerial Impedance : 75 Ω unbalanced ,
Coaxial type

Receiving System : 17 Systems

Tuning System Voltage Synthesizer
100 position (Auto Search)

Receiving Channels :

VHF	2 – 12	(PAL /SECAM B,K1)
	0 – 12	(PAL B Australia)
	1 – 9	(PAL B New Zealand)
	1 – 12	(PAL / SECAM D)
	1 – 12	(NTSC M Japan)
	2 – 13	(NTSC M U.S.A.)
UHF	21 – 69	(PAL G,H, I/SECAM G, K, K1)
	28 – 69	(PAL B Australia)
	13 – 57	(PAL D,K)
	13 – 62	(NTSC M Japan)
	14 – 69	(NTSC M U.S.A.)
CATV	S1 – S20	(OSCAR)
	S21 – S41	(HYPER)
	1 – 125	(U.S.A)
	C13 – C49	(Japan)
	5A,9A	(Australia)
	Z1 – Z37	(China)

Intermediate Frequency :

Video	38.0 MHz	
Sound	31.5 MHz (D, K)	/ 32.5 MHz (B, G)
	32.0 MHz (I)	/ 33.5 MHz (M)
Colour	33.57 MHz (PAL)	/ 33.6MHz (SECAM)
	34.42 MHz (NTSC)	/ 33.75MHz (SECAM)

Receiving Stereo Sound system :

TC–25L10R / TC–2525R : AV STEREO
TX–25L10X : NICAM B,G A2 (GERMAN)

Video / Audio Terminals :

AV In :	Video (Phono)	1 Vp–p 75 Ω
	S–Video	Y : 1.0 Vp–p 75 Ω
		C : 0.3 Vp–p 75 Ω
Monitor Out :	Video (Phono)	Approx. 400 mV
	Video (Phono)	1 Vp–p 75 Ω
	Audio (Phono)	Approx. 400 mV

High Voltage : 29.3 (+0.7, –1.5) KV
at zero beam current

Picture Tube : A59KPR84X (0) (TC–25L10R/TX–25L10R)
A59KPR84X (TC–2525R)
Type 25 (630mm)
Measured diagonally, 110° deflection

Audio Output : 5.0 W (Max) x 2
Impendance 8Ω
2 speaker system, L / R

Dimensions : Height : 551.0 mm
Width : 626.0 mm
Depth : 462.0 mm

Mass : 28.0 KG (Net Wt.)

Accessories Supplied : Remote Controller x 1
" R6 " Battery x 2

Specifications are subject to change without notice.
Mass and dimensions shown are approximate.

Panasonic

TC–25L10R / TC–2525R / TX–25L10X

⚠ WARNING

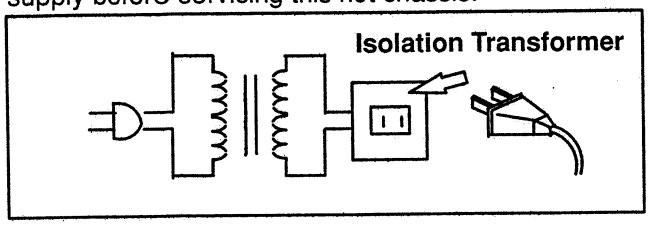
This service literature is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warning or cautions to advise non–technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service literature by anyone else could result in serious injury or death.

CONTENTS

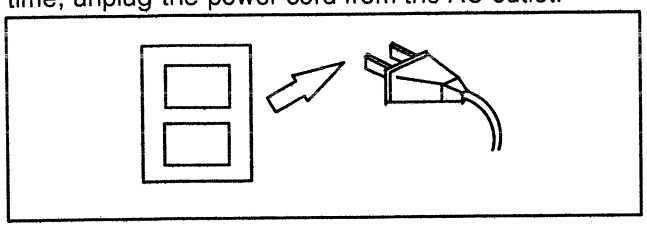
Safety Precautions

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing this hot chassis.



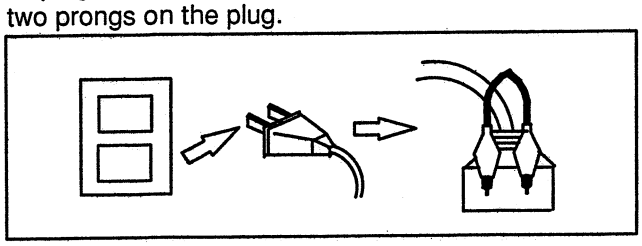
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits.
   If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields, and isolation R–C combinations, are properly installed.
4. When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.



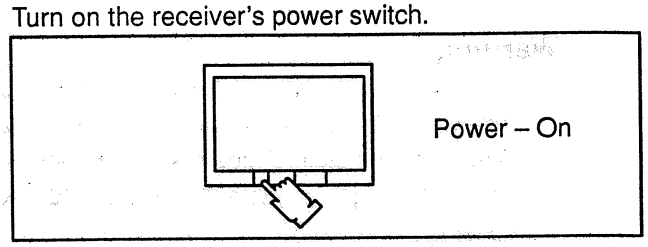
5. Potential, as high as **30.0 kV**, is present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.



2. Turn on the receiver's power switch.



3. Measure the resistance value, with an ohmmeter, between the jumper AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4 MΩ and 20 MΩ.
   When the exposed metal does not have a return path to the chassis, the reading must be infinite.

Leakage Current Hot Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2 kΩ, 10W resistor, in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter, with high impedance type, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.

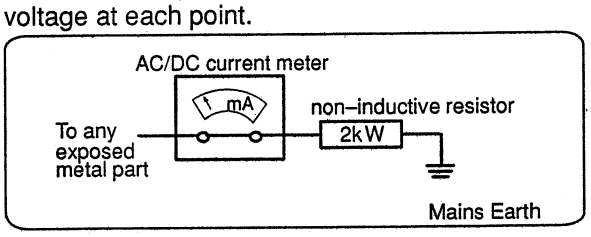
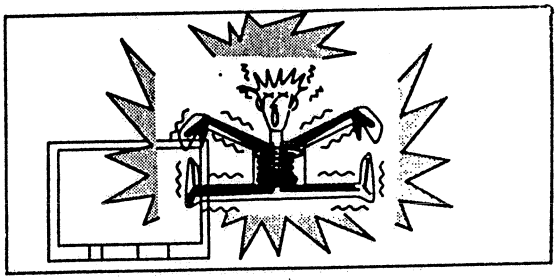


Fig. 1 Hot – Check Circuit

5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. the potential at any point should not exceed **1.0 rms** in case a measurement is outside the limits specified, there is a possibility of shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.



X–Radiation

Warning :

1. The potential sources of X–Radiation in TV sets are the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling **30.0 KV** without causing X–Radiation.

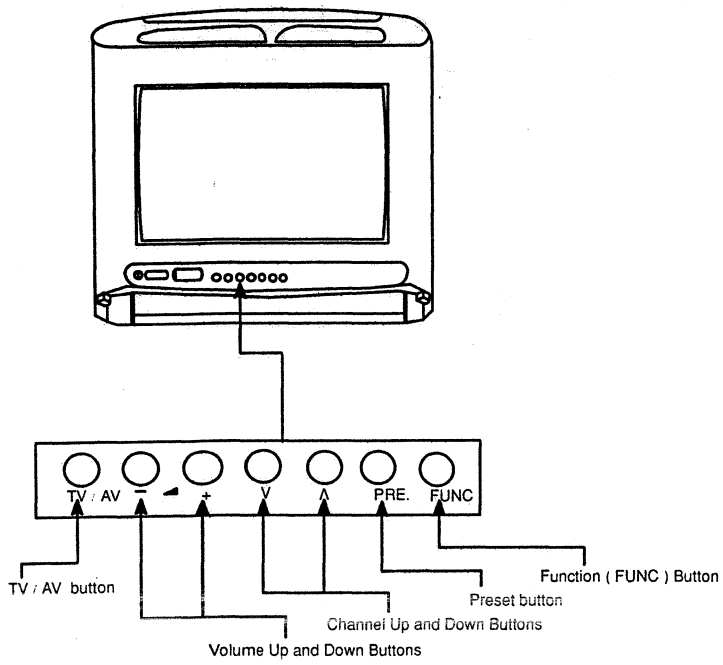
Note : It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Set the picture screen to the one horizontal line in MARKET MODE CHK3 (refer to page).
3. Measure the HIGH VOLTAGE. The meter reading should indicate **29.3 (+0.7,–1.5) kV**. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. To prevent an X–Radiation possibility, it is essential to use the specified picture tube.

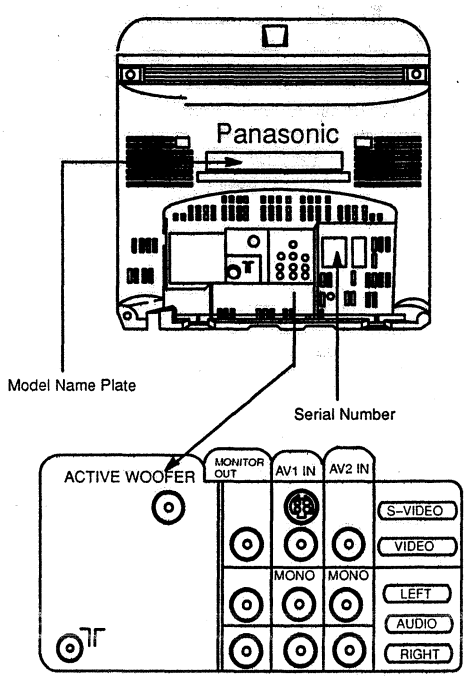
Operating Instructions

Location of Control (TV)

Front View

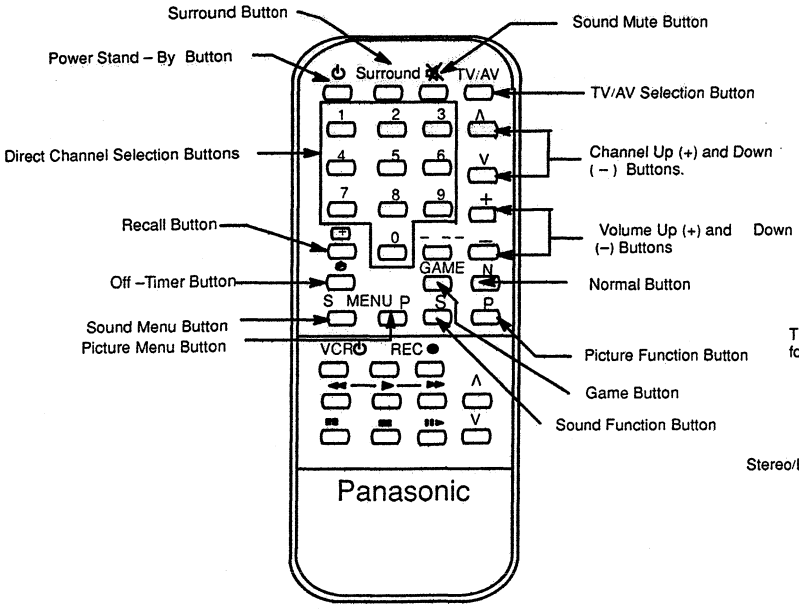


Rear View

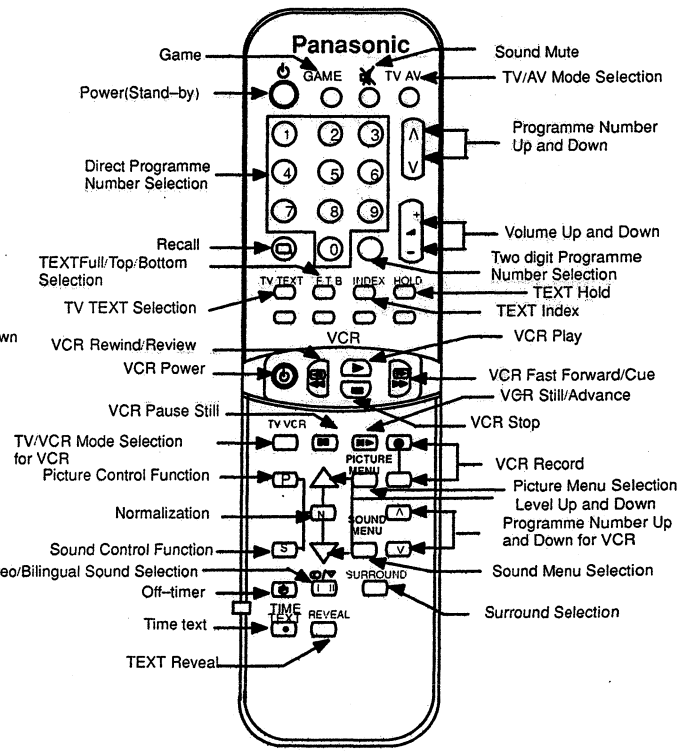


Remote controls

TC–25L10R
TC–2525R

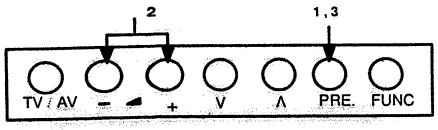


TX–25L10X



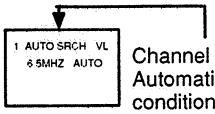
Tuning Procedure

Automatic Search



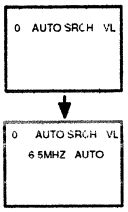
This TV uses automatic tuning to determine whether or not a broadcast signal is being sent which it can receive, and automatically prepares so that the channel selection can respond to both the position select and direct select modes.

1. PRE. Press the "PRE." (PRESET) button, setting the Automatic search mode.



Channel Number Automatic search condition.

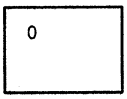
2. Press the Volume Up "+" button.



Search start.

The best tuning position is automatically memorized.

3. PRE. Press the "PRE." (PRESET) button 3 times.

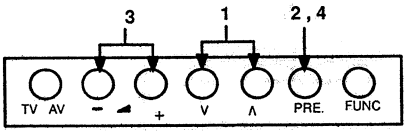


This returns the set to the normal viewing condition.

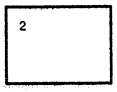
Helpful Hints

1. If a clear picture with correct colours cannot be obtained when a broadcast or AV signal is received, refer to the "Colour System Selection" operation.
2. When the sound is not clear or no sound is produced on a programme number, refer to the "Sound System Selection" operation.
3. Repeated pressing of the "PRE." (PRESET) button changes the Preset Menu as follows:

Manual Search

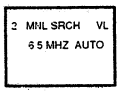


1. V Λ Press either the Channel Up or Down button.



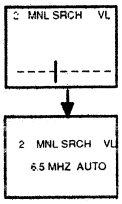
Select the desired Channel Number.

2. PRE. Press the " PRE " (PRESET) Button twice, setting the manual Search Mode.



Manual Search Condition.

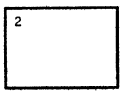
3. – + Press the Volume Up " + " or Down " – " button . Volume " + " : Next higher Channel , Volume " – " : Next lower Channel



Search start.

The best tuning position is automatically memorized.

4. PRE. Press the "PRE." (PRESET) button 2 times.

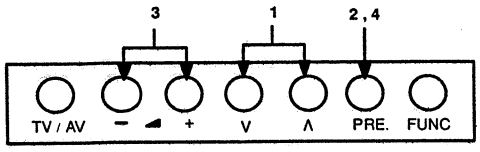


This returns the set to the normal viewing condition.

Helpful Hints

1. If a clear picture cannot be obtained even when a Broadcast is received, refer to the "Colour System Selection".
2. When the sound is not clear or no sound is produced on a Channel Number,refer to the "Sound System Selection" operation.
3. In case of NTSC M System, select the Sound System to 4.5 MHz.

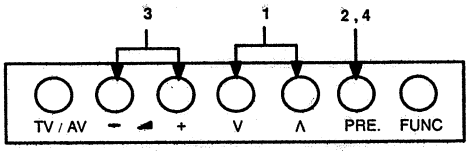
Fine Tuning



Under normal reception condition, this function is not used. However, in areas of poor reception or constant interference, a slight adjustment on the fine tuning can improve the picture and sound quality.

1. V Λ	Select the channel which you want to improve uing the channel up or down buttons.	3	Select the desired Channel Number.
2. PRE.	Press the " PRE." (PRE-SET) button 3 times, setting the Fine Tuning Mode.	3 FINE VL	Fine Tuning Condition.
3. – +	Press the Volume Up "+" or Down " – " button until the picture is received.	3 FINE VL	The AFC (Automatic Frequency.Control) function is deactivated.The "■" symbol appears to the left of the Channel Number.
4. PRE.	Press the "PRE." (PRE-SET) button.	3	This returns the set to the normal viewing condition.

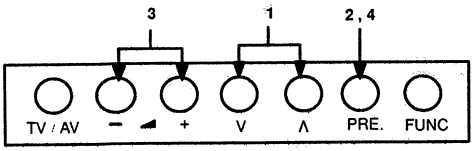
Programme Number Skip



It is possible to Skip Programme Numbers on which no TV stations are tuned appearing on the screen. The function is only effective when selecting Programme Numbers by pushing the Programme Number Up or Down Buttons either on the TV set or the remote Control.

1. V Λ	Select a Programme Number you want to skip, by pushing the Programme Number Up or Down Buttons.	15	
2. PRE.	Press the " PRE." (PRE-SET) button, setting the Automatic Search Mode.	15 AUTO SRCH VH 6.5MHZ AUTO	Automatic Search condition.
3. TV / AV	Press the " TV / AV selection " Button.	15 AUTO SRCH VH 6.5MHZ AUTO SKIP	The Skip function is now set.
4. PRE.	Press the "PRE." (PRE-SET) button 3 times.	15	This returns the set to the normal viewing condition.

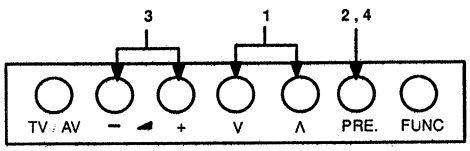
How to Cancel the Fine Tuning



Cancelling previously adjusted (manually) fine tuning, means re – activating the AFC (Automatic Frequency Control) Function also known as AFT (Automatic Fine Tuning). Re – activating the Automatic Fine Tuning means albaming the set to automatically tune to the optimum tuning position, for that Channel Number.

1. V Λ	Select the " AFC OFF " Channel Number which you want to return to Automatic Frequency Control (Cancel the manual fine tuning).	7	" AFC OFF " Channel Numbers are indicated to you by the "■" symbol to the left of the Channel Number.
2. PRE.	Press the " PRE." (PRESET) button twice, setting the Manual Search Mode.	" MNL SRC VH 6.5MHZ AUTO	Manual Search Condition.
3. – +	Press the Volume Up "+" or Down " – " button briefly.	" MNL SRC VH	The best tuning position is automatically memorized.
4. PRE.	Press the "PRE." (PRE-SET) button twice.	7	This returns the set to the normal viewing condition.

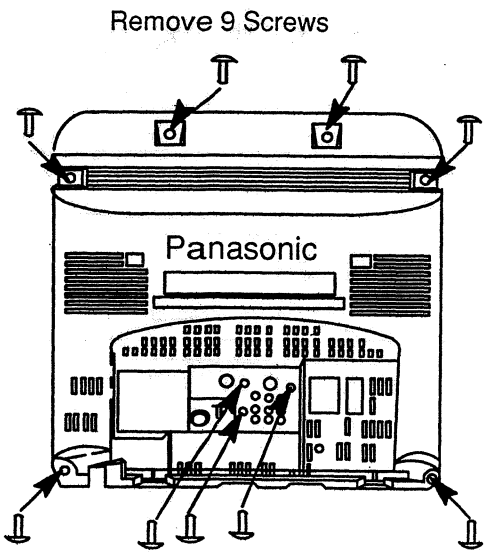
How to Cancel the Skip Function

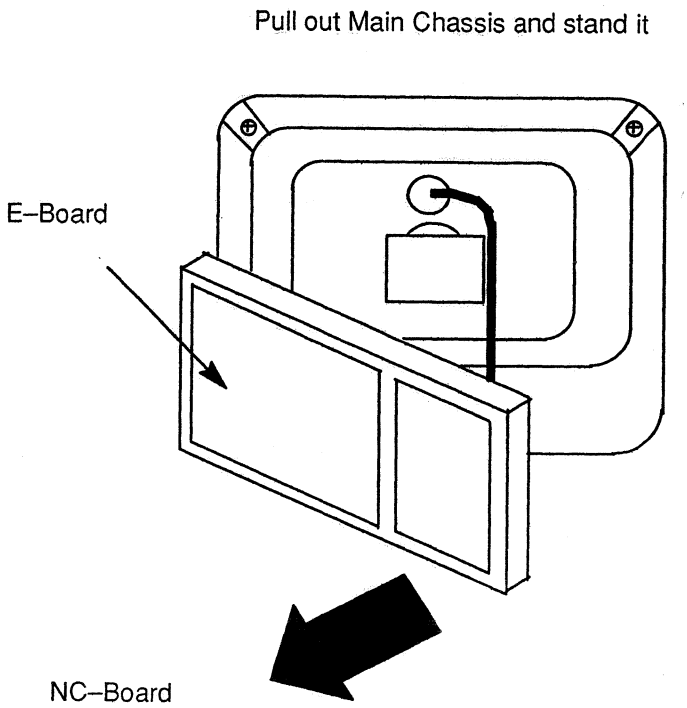


1. PRE.	Select the skipped Programme Number, by pressing the Programme Number Up "Λ " or Down " V" buttons.	15 AUTO SRCH VH 6.5MHZ AUTO SKIP	Automatic Search condition.
2. V Λ	Press the " PRE." (PRESET) button, setting the Automatic Search Mode.	10 AUTO SRCH VH 6.5MHZ AUTO SKIP	The "SKIP" indicator will appear on the screen.
3. TV / AV	Press the "TV/AV" selection button. Repeat step 2 and 3, if you wish to cancel the Skip function on any other programme Number.	15 AUTO SRCH VH 6.5MHZ AUTO	The skip function is now cancelled.
4. PRE.	Press the "PRE." (PRE-SET) button three times.	10	This returns the set to the normal viewing condition.

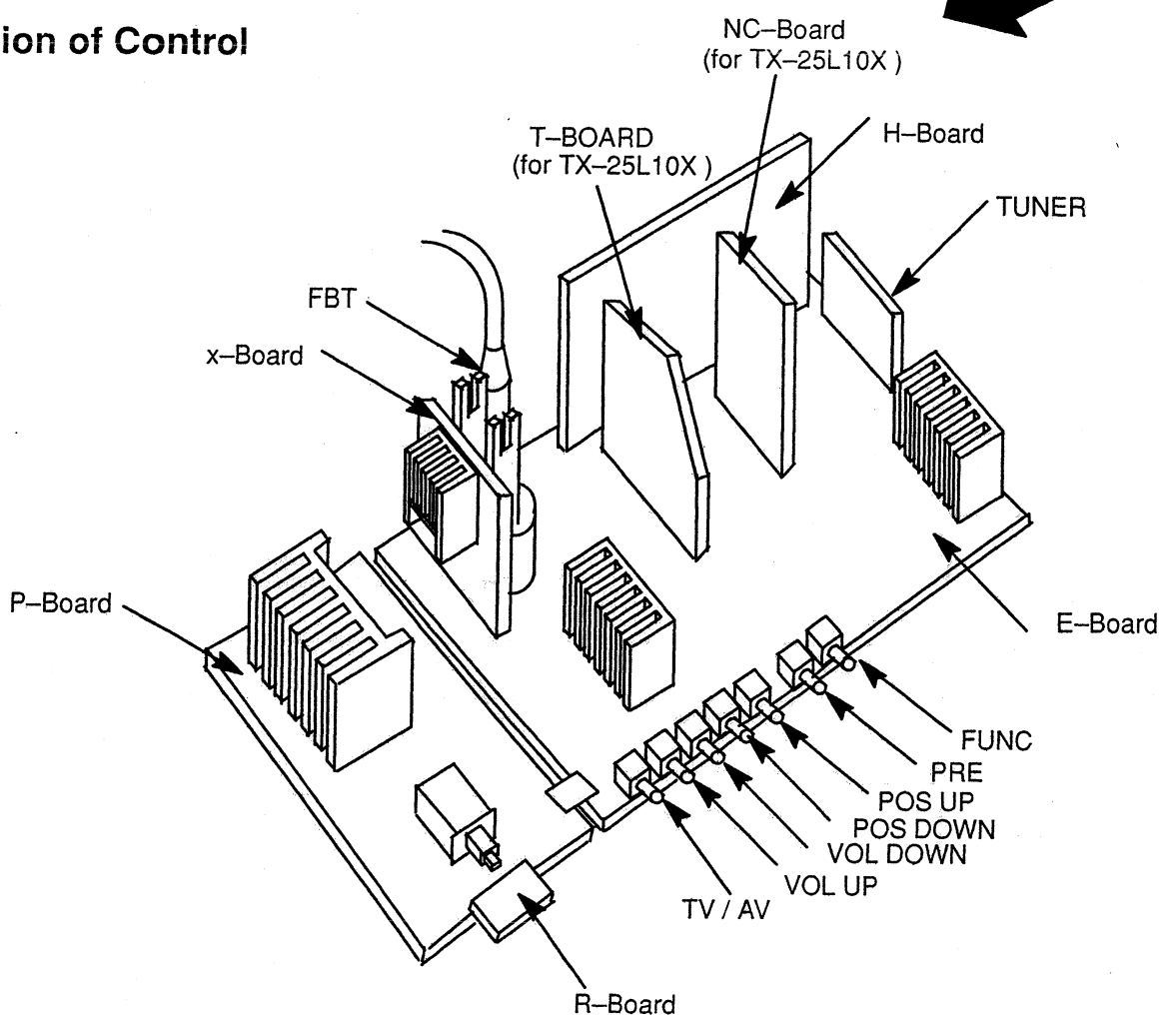
Location of Control and Circuit Boards

Service Position for Main Board (E–Board)





Location of Control



Service Hint

Hotel Mode (Child–Lock)

Purpose

1. At Hotels this Mode prevent customer from changing the TV preset data ,such as Channel Preset data.
   Note : This Mode is useful for hotel, you should not get into " Hotel Mode " with normal use.

Operation

1. To get into " Hotel Mode " press the remote control " off–Timer ⏻ " button and Channel up ^ , key on the TV set simultaneously.
2. In this mode, the channel up and down function will be able as normal Mode, and the maximum volume level for this mode is set at the current volume level, that means setting at the level before entering the mode. However, other function will be disable.
3. **To exit this mode**, press the remote control " off–Timer ⏻ " button and the " Volume Down [–] " key simultaneously.

The I²C Bus Concept :

A. Features

1. The I²C bus is a 2 – wire serial bus consisting of a clock line (SCL) and a data line (SDA).
2. It allows bi – directional data transfer, between IC's.
3. It consist of a master and one or more slave IC's.
   The master initiates transfer and generates clock signals.
   The slave is the IC addressed by a master.

B. I²C Application in the MX–4 Chassis..

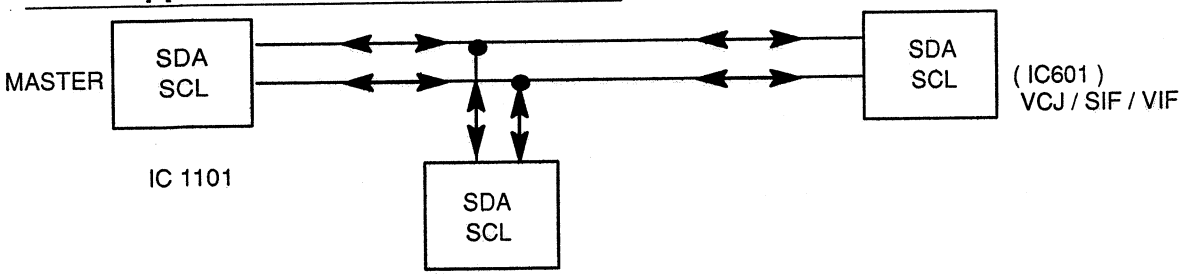


Fig. 1

During transfer the microcomputer IC1101 in the TV set is always the master device. IC601 and IC1102 are slave addressed by IC1101.

1. Various control functions are possible via the I²C bus from the microcomputer IC1101 to VCJ IC601, as shown in **FIG.1**.
2. Data like position, BT voltage, band, AFC, skip, volume, recall, power and off timer setting, service mode setting , colour setting, function etc, are stored and read out from the EEPROM IC1102 via the I²C bus.

2. How to set the Market Mode for adjustment.

Follow the Steps shown in the block diagram below to set the Market Mode for sub–colour; sub–bright; sub–contrast; RGB low–light and RGB high–light and etc, adjustments.
When the IC601(VCJ) or IC1102 are replaced, these adjustment must be done as below.

The Sub Adjustment mode.

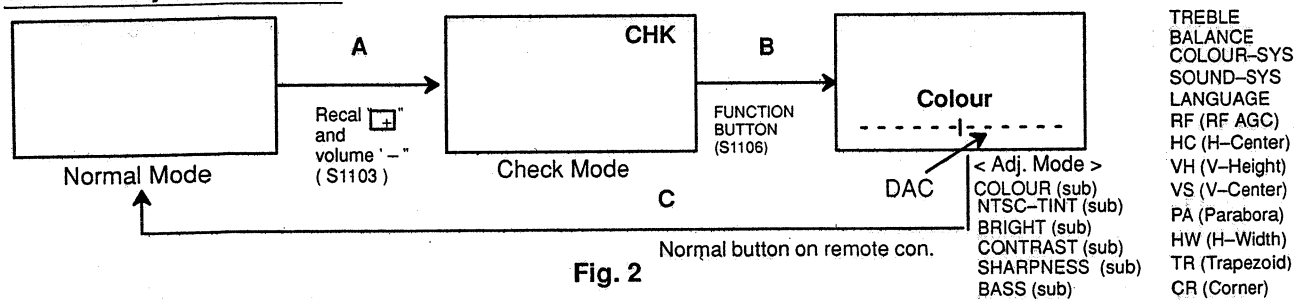


Fig. 2

A: Simultaneously press the Recall button [⊡] on the remote control unit and the VOLUME DOWN button [–] (on the TV set).The TV in the Normal mode changes to check mode. "CHK" will appear on the screen as shown in **Fig. 2.**

B: Press the Function button (S1106) to select the required adjustment to be adjusted as shown in **Fig. 2.**
Press the Volume "up" or "down" button on the TV set to change the DAC level.

The CRT Adjustment mode.

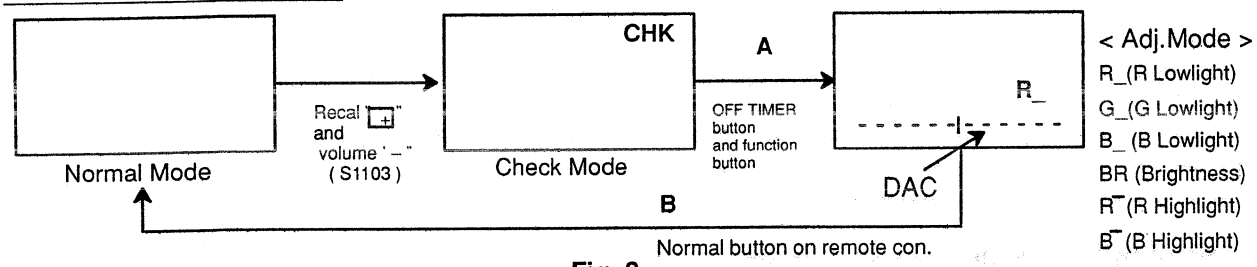
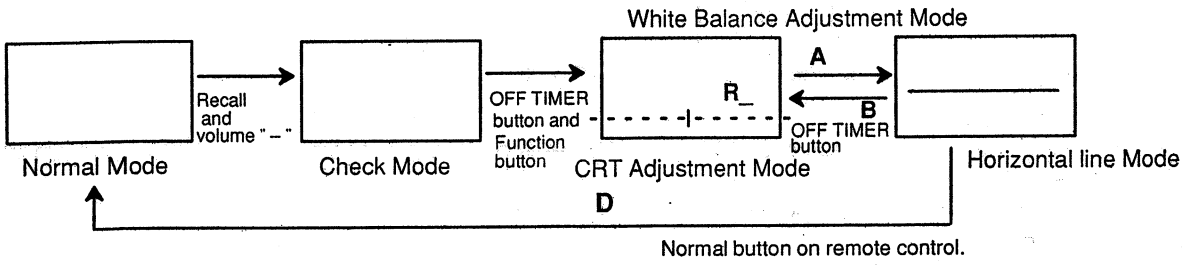


Fig. 3

A: Press the OFF TIMER button on the remote control, the TV in the Check mode changes to the CRT Adjustment mode.
Press the Function button (S1106) to select the required adjustment to be adjusted as shown in Fig. 3. (Please refer to procedure on page 14)
Press the Volume "up" or "down" button on the TV set to change the DAC level.

The White Balance Adjustment mode.



A: Press OFF TIMER button in the CRT Adjustment mode changes to the Horizontal line mode for Low light and Brightness mode.

B: Press OFF TIMER button, the TV in the Horizontal line Mode return to the CRT Adjustment mode.
(Please refer to procedure on page 13).
Press the volume " up " or " down " button (S1104 & S1103) to change the DAC level.

How to memorize the Adjustment data.

When finish Adjustment, let the OSD disappear and press normal on the remote control, or if OSD is being displayed, press normal key twice (Press once, normal OSD will disappear, press again to exit from sub–function adjustment mode).

Adjustment Procedure

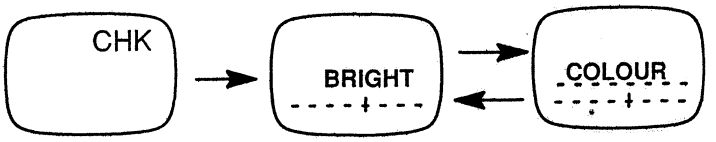
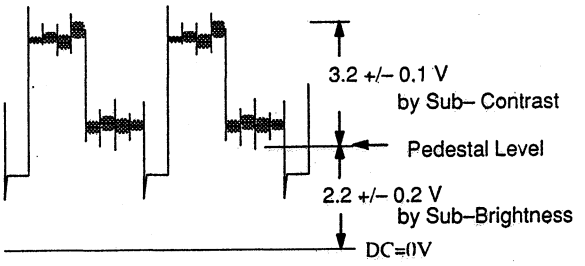
Item / Preparation	Adjustment Procedure
B Voltage 1. Operate the TV set. 2. Set the beam current to "0".	Confirm the DC voltage at the indicated test points, as follows : TPE30 : 12.0 +/– 1.0 V TPE31 : 9.0+/–1.0 V TPE32 : 5.0 +/– 1.0 V E33–1 : 220.0 +/– 15.0V E35–15 : 142.0 +/– 2.0 V
RF AGC 1. Set the TV to market Mode (RF AGC Adj.) 2. Receive a colour bar signal at an RF level of 63dB with 75Ω loaded. 3. Connects a digital multimeter to TPE1, set to DC mode.	1.Adjust RG AGC Control in Market Mode such as to procedure a snowy picture. 2.Adjust RF Control to set it at the point just before voltage at TPE1 begins to drops. 3.Increase the input level by 2dB and confirm the voltage at TPE1 Changes.
High Voltage 1. Operate the TV set. 2. Set the Beam current to "0"	1. Connect a DC voltage meter to Cathode of D852 and confirm the voltage is 142.0 +/– 2.0 V. 2.Connect a high voltage meter to anode of the picture tube. 3.Confirm that the high voltage is within the range of 29.3 (+0.7, –1.5) kV.
Item / Preparation	**Waveform**
Sub–Contrast, Sub–Brightness 1. Receive a colour bar pattern . Connect an oscilloscope to TPE38 (G–OUT) and chassis earth. 2. Set Colour, Brightness and contrast to Normal. 3. Set the picture menu to dynamic mode. 4 Connect a short jumper between TPE35 and TPE32. Note that this step disable the the ABL, so avoid operation in this condition for long periods at high beam current. 5. Set the TV to Market Mode as shown in FIG.4 6. Adjust Brightness Level by Sub– brightness control by pressing either the volume "UP" or "DOWN" buttons on the TV set. 7, Adjust contrast level by Sub–contrast control by pressing either the volume "UP" or "DOWN" buttons on the TV set. 8. Cancel the "CHK" mode by pressing the Normal button on remote control transmitter and remove the jumper wire between TPE32 to TPE35.	 FIG. 4 

FIG. 5

Item / Adjustment	Waveform

PAL Colour Output

1 Receive a colour bar pattern. connect an oscilloscope to TPE38 (G–OUT) And chassis earth.

2. Set colour, brightness and Contrast to Normal.

3. Set the picture menu to Dynamic mode.

4. Set the TV to Market Mode.

5. Connect a short jumper between TPE32 and TPE35.

6. Adjust Sub Bright Control by pressing either the volume "UP" or "DOWN" buttons on the TV set as follows **FIG.6.**
   2.2 +/– 0.2 V

7. Adjust Sub colour by pressing either the volume "UP" or "DOWN" buttons on the TV set as follows **FIG.6.**
   2.5 +/– 0.1 V

8. Connect the oscilloscope to TPE39 (R–OUT)

9. Confirm that the amplitude of waveform **FIG.7.**
   3.1 +/– 0.5 V

10. Press normal button on remote controller and check CHK disappear from CRT screen.

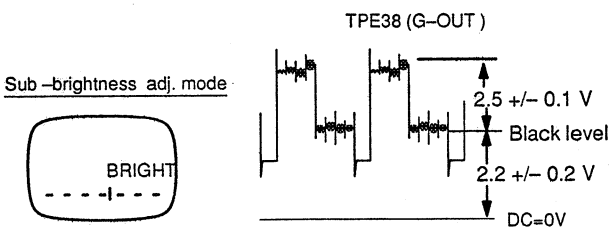


Fig. 6

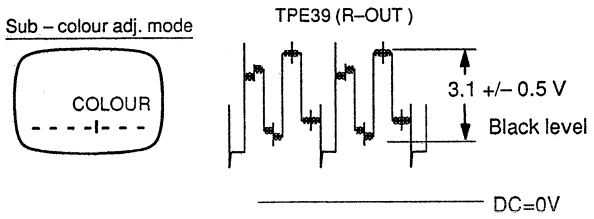
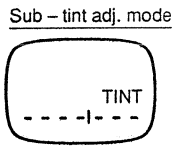


Fig. 7



M–NTSC Sub–Tint adjustment

1. Apply 3.58 MHz NTSC rainbow pattern.

2. Connect a short jumper between TPE32 and TPE35

3. Connect an oscilloscope to TPE39 (R–OUT).

4. Press S1106 colour system SW to NTSC 3.58.

5. Set. colour. contrast. brightness. Tint to normal.

6. Confirm the amplitude of waveform **FIG.8.**
   1.4 +/– 0.5 V

7. Set Colour control to maximum and confirm that the colour level is saturated enough.

8. Set the TV to Market Mode.

9. Adjust Sub–NTSC Tint control so that the peak level of waveform is similar to FIG.8.

10. Set Tint control to maximum and confirm that the variable range is more than 30 .

11. Set Tint control to minimum and confirm that the variable range is more than 30 .

12. Apply 4.4MHz NTSC rainbow pattern.

13. Connect an oscilloscope to TPE39 (R–OUT).

14. Press S1106 (Function) colour system SW to NTSC 4.43.

15. Set colour, contrast brightness, Tint to normal.

16. Confirm the amplitude of waveform **FIG.9.**
    1.4 +/– 0.5 V

17. Set colour control to maximum and confirm that the colour level is saturated enough.

18 Adjust Sub–Tint so that the peak level of waveform is similar to **FIG.9.**

19. Set Tint control to maximum and confirm that the variable range is more than 30

20. Set Tint control to minimum and confirm that the variable range is more than 30

21 Press NORMAL button on the remote control transmitter. CHK should disappear from screen

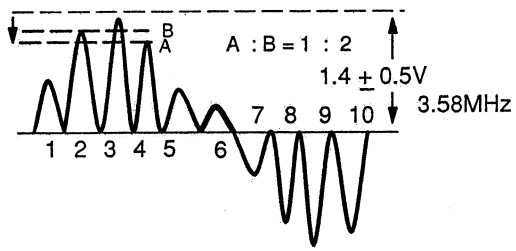


Fig. 8

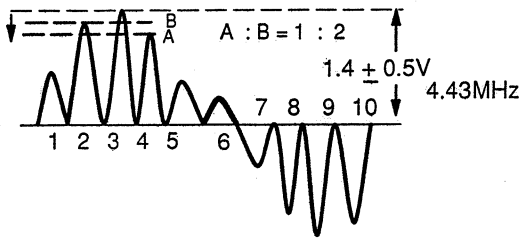
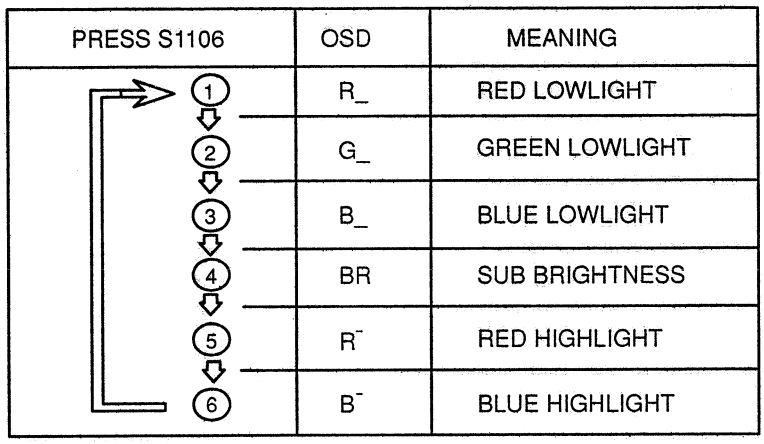
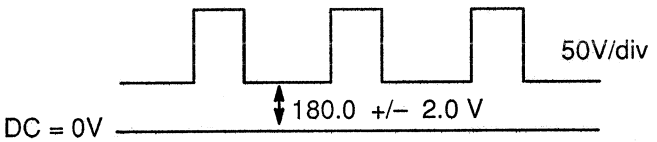
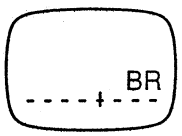
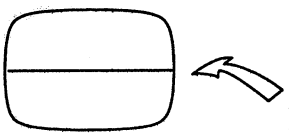


Fig. 9

ADJUSTMENTS PROCEDURE FOR WHITE BALANCE

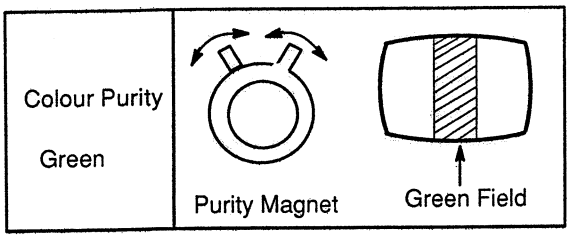
Item / Adjustment	Adjustment Procedure
CRT CUT–OFF 1.Over 15 minutes aging is required. 2.Colour, contrast level is centre. 3.Highlight is centre, Lowlight position is 4 DAC (R and B) 8 DAC for G of on screen display bar from left side. 4.Screen volume is minimum. 5.input a flat white field signal, and set contrast to minimum. 6.Connect an oscilloscope to TPE7 ON L–Board (Green CRT drive) and GND. 7.Set the TV to Market Mode. 8.Press the Function button (S1106) to select "BR" (meaning "brightness") Note that repeated pushing of the function button cycles through the CRT adjustment as shown in **FIG.10**. 9.WHILE ",BR" ,IS STILL ON SCREEN set the screen control to minimum by turning it anti – clockwise, and use the volume "up" or "down button (S1104 and S1103) to set the DC = 0V to video level at 190V, as shown in **FIG.11**. 10.Advance the screen control of FBT sufficient to see the OSD. WHILE "BR" ,IS STILL ON SCREEN, (push the function button to bring it up again if necessary), push the OFF Timer Button. This will collapse the vertical scan. 11.Slowly adjust the screen control of FBT such that one of the G beam just appears, across the centre of the screen, **(FIG.12)**. THIS IS THE SETTING POINT FOR THE SCREEN CONTROL. Note which colour appeared, and DO NOT ADJUST THE LOWLIGHT SETTING FOR THIS PARTICULAR COLOUR IN THE FOLLOWING PROCEDURE.	 Operation of the Function Button (S1106) in CRT Adjustment Mode **Fig. 10**  **Fig. 11** Sub – bright adjustment  PUSH "TIMER" BUTTON (S1101) WHILE " BR " IS STILL ON SCREEN TO COLLAPSE THE FRAME SCAN.  ADJUST SCREEN UNTIL ONE COLOUR JUST APPEAR. **Fig. 12**

Item / Preparation	Adjustment Procedure
R, G, B LOW LIGHT ADJUSTMENT 1. Complete steps 1 to 11 of the CRT cut–off procedure, and do not adjust the screen control from here on. 2. Press the off Timer button to return to full field scan, and use the Function Switch (S1106) to select the lowlight setting for one of the two colour (R or B). 3. With the R_ or B_ OSD still on screen, press the off timer button again to collapse the vertical scan. 4. Use the Volume " up " and " down buttons (S1104 and S1103) to match the levels of the two colours now on screen. 5. Repeat Steps 2 to 4 for the remaining colour, to achieve a white line on screen. 6. Press the OFF TIMER button to return to full frame scan. **R, B HIGH LIGHT ADJUSTMENT** 1 .Press the Normal Button on the remote control transmitter twice to return to Normal Mode, after completing the preceding CRT cut–off and lowlight adjustments. 2. Set Contrast to Normal (max.), and continue using the flat white field input as per Step 1. 3. Press the OFF TIMER button TWICE in Market Mode. 4. Use the Function Button (S1106) to select R̄ (red highlight) and B̄ (blue highlight) as necessary. 5. With R̄ or B̄ STILL ON SCREEN, press the Volume " up " and " down " buttons (S1104 and S1103) as necessary to achieve a uniform white field. 6. Press the Normal Button on the remote control transmitter twice to return to Normal Mode. 7. Input a grey scale pattern, and confirm correct lowlight and highlight white balance.	EXAMPLE: If a green line appeared at Step 11. OFF TIMER button → FULL SCAN Function (S1106) to select R_ . Function (S1106) to select B_ . R_ B_ OFF TIMER button → COLLAPSE SCAN Volume ▲ or ▼ → ADJUST LOWLIGHT White line on screen after the R,G,B lowlight adjustment. OFF TIMER button → FULL SCAN Repeat for the remaining colour. Repeat the procedure if necessary to improve white balance of the collapsed field line. OFF TIMER button → FULL SCAN Normal button on remote control transmitter → NORMAL MODE Normalise Contrast OFF TIMER button in Market mode Function (S1106) to select R̄ . Function (S1106) to select B̄ . Volume ▲ or ▼ → ADJUST LOWLIGHT Normal button on remote control transmitter UNIFORM WHITE NORMAL MODE

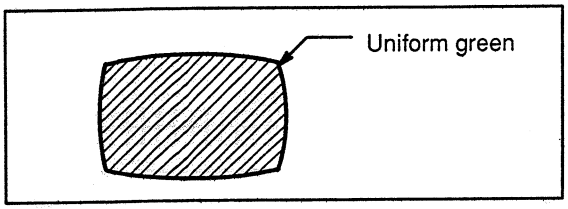
Before Colour Purity, Convergence and White Balance adjustments are attempted, . V. Height, H. Centre and Focus adjustments must be completed.

Colour Purity

1. Set the Brightness and Contrast controls to their maximum positions.
2. Operate the TV set for 30 minutes.
3. Fully degauss the picture tube by using an external degaussing coil.
4. Apply a crosshatch pattern signal and adjust the static convergence magnets to the approximately correct position.
5. Receive a black and white signal.
6. Set the controls as following :
   Red ..... minimum
   Green ..... as it is.
   Blue ..... minimum
   Set the TV to Market mode and select CRT Adjustment mode and then the Function button (S1106) to select low lights.
7. Loosen the clamp screw for the deflection yoke A and move the deflection yoke as close to the purity magnet as possible.
8. Adjust the purity magnetic rings so that a vertical green field is obtained at the centre of the screen.



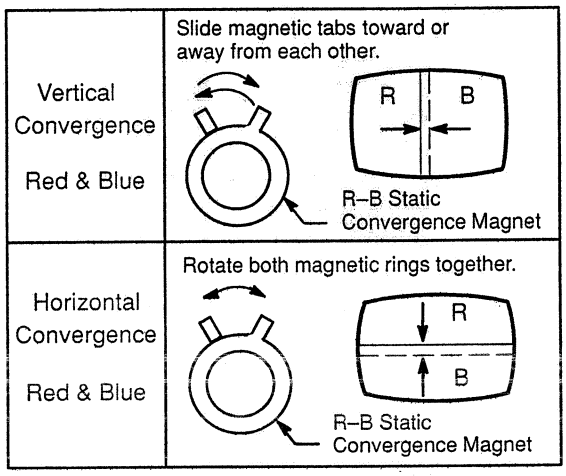
9. Slowly push the deflection yoke and set it where a uniform green field is obtained.



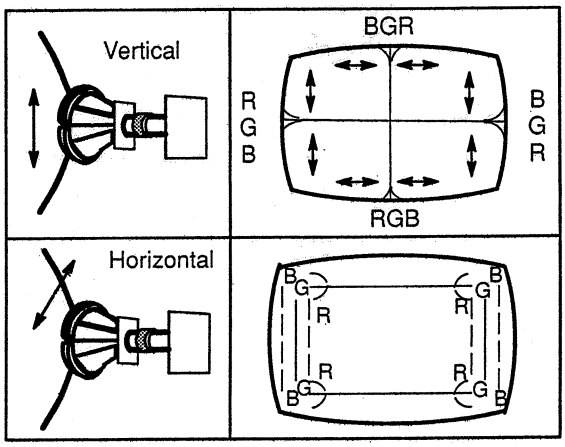
10. Re – adjust the Low Light controls to their correct settings and make sure that a uniform white field is obtained.
11. Tighten the clamp screw A .

Convergence

1. Apply a crosshatch pattern signal and Normalize Contrast control to the maximum position.
2. Adjust Brightness until the grey portion of the crosshatch pattern just becomes black.
3. Adjust the Red and Blue line at the centre of the screen by rotating the R–B static convergence magnetic rings.



4. Adjust Red and Blue with the Green line at centre of the screen by rotating (RB) – G static convergence magnetic rings.
5. Lock convergence magnets with silicone sealer.
6. Remove the DY wedges and slightly tilt the deflection yoke vertically and horizontally to obtain the good overall convergence.



7. Fix the deflection yoke by re–inserting the DY wedges.
8. If purity error is found, repeat "Colour Purity" adjustment.

Notes :

1. Wedge A, B,C and D should be inserted following the sequence of 1, 2 , 3 and 4 shown in **Fig. 14 .**
2. The wedges should be set 120° apart from each other.
3. Be certain that the four wedges are firmly fixed and the Deflection Yoke is tightly clamped in place. Otherwise the Deflection Yoke may shift its position and cause a loss of convergence and purity.

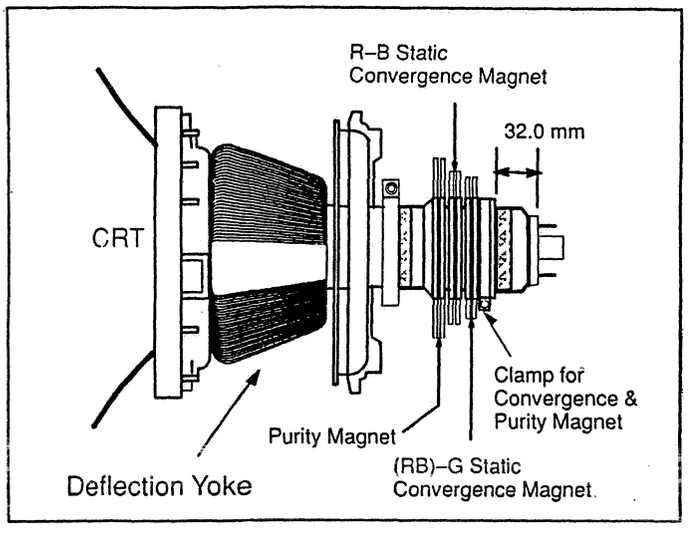


Fig. 13

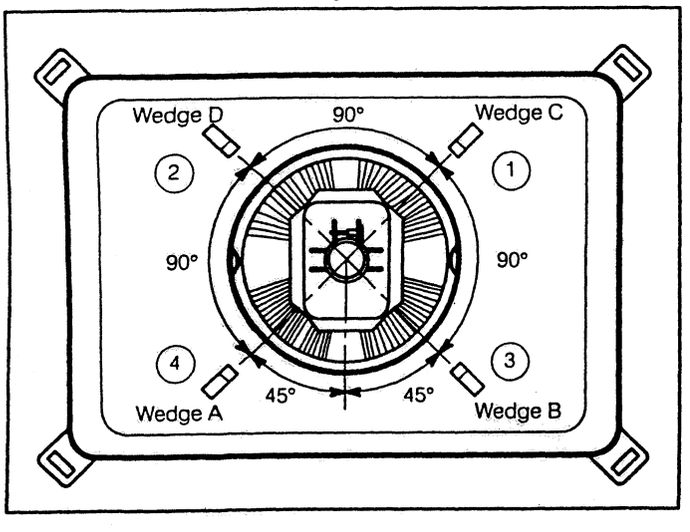
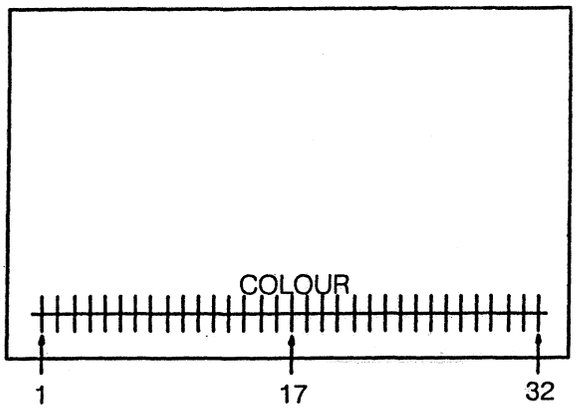


Fig. 14

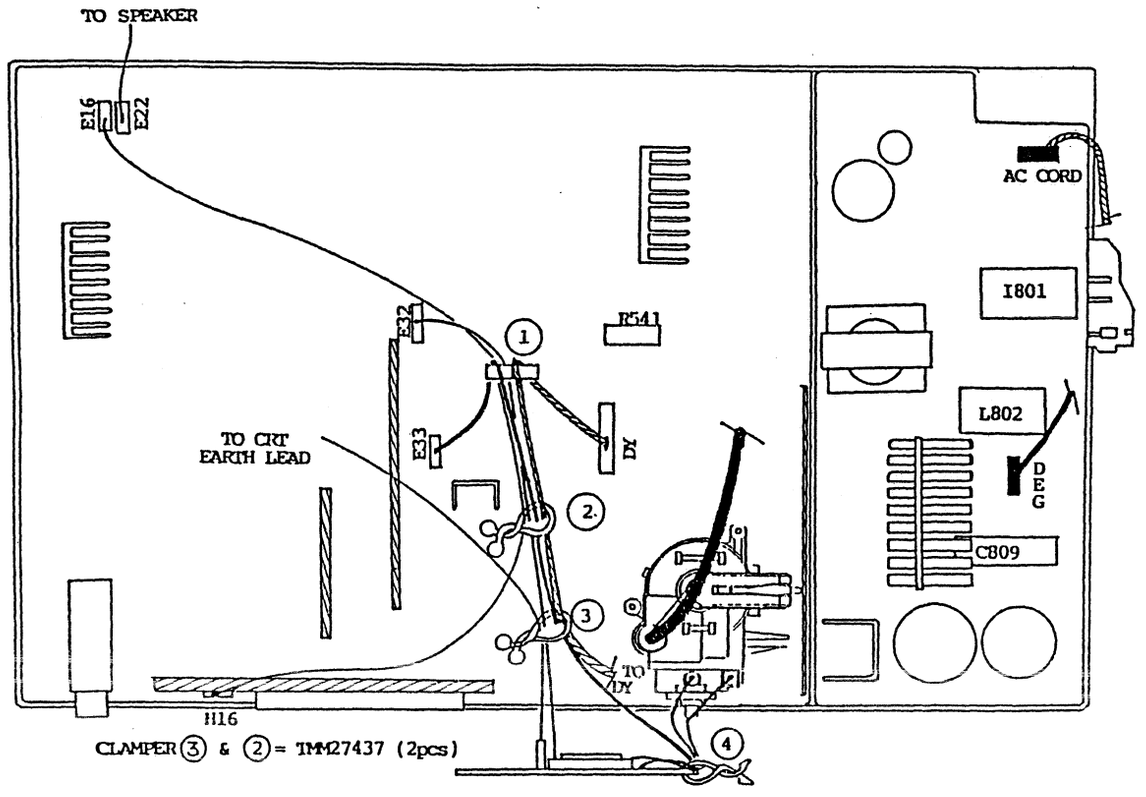
Adjustment data

Display	Adjustment items	average data
COLOUR	Colour	16
NTSC -TINT	Ntsc Tint	21
BRIGHT	Brightness	14
CONTRAST	Contrast	17
SHARPNESS	Sharpness	4
BASS	Bass	-
TRE	Treble	-
BALANCE	Balance	-
COLOUR-SYS	Colour-System	-
SOUND-SYS	Sound system	-
LANGUAGE		-
RF	RF AGC	21
HC	Horizontal center	26
VH	Vertical Height	16
VS	Vertical center	32
PA	Parabora	22
HW	Horizontal Width	14
TR	Trapezoid	19
CR	Corner	14
R_	Red low light	6
G_	Green low light	8
B_	Blue low light	7
BR	Brightness	17
R⁻	Red high light	15
B⁻	Blue high light	18

Note : Measure the data as below.



Location of Lead Wiring



<CONNECTIONS>
DY, E33, E32, E16, CRT EARTH LEAD AND SCREEN & FOCUS WIRE.

LEAD \ CLAMPER	①	②	③	④
DY	●	●	●	
E33	●	●	●	◉
E32	●	●	●	
E16	●	●		
CRT EARTH LEAD			●	
SCREEN & FOCUS				◉

< NOTE >

1) ● SINGLE CLAMP
2) ◎ DOUBLE CLAMP
3) ◉ CLAMP IN CHASSIS ASSEMBLY

<CAUTION POINTS>
(1) ALL WIRES MUST BE KEPT DISTANCE MINIMUM 10mm FROM BODY.
(2) ANODE LEAD MUST BE KEPT DISTANCE MINIMUM 10mm FROM OTHERS PARTS.
(3) ALL LEAD MUST NOT TOUCH HIGH TEMPERATURE PARTS AND HEAT SINKS BURR.
(4) CONNECTOR OF AC CORD MUST BE INSERTED ACCORDING TO NUMBER INDICATION ON PCB.

Memo :

Conductor Views

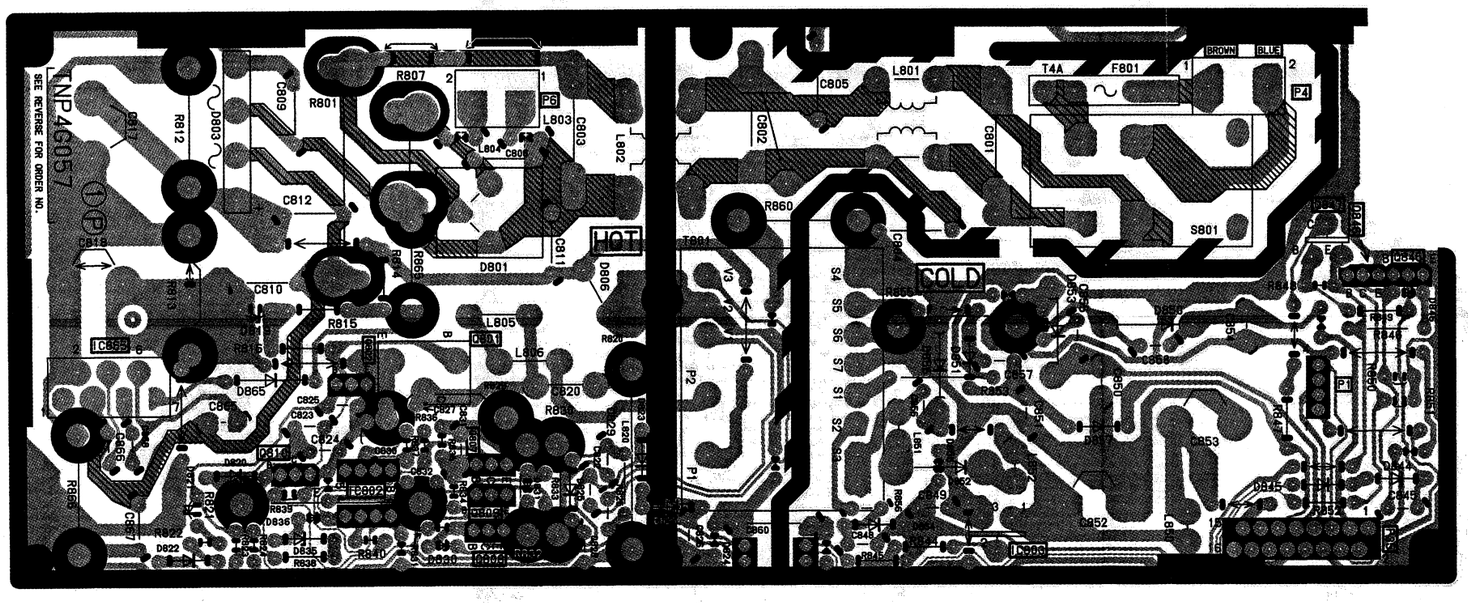
PARTS LOCATION

P–BOARD	
IC	
IC802	C–1
IC803	E–1
IC865	B–2
TRANSISTOR	
Q801	C–2
Q802	C–2
Q807	C–1
Q808	C–1
Q809	C–1
Q810	B–1
Q845	G–2
Q846	G–2
Q847	G–2

ADDRESS INFORMATION

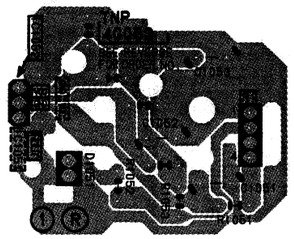
P–BOARD

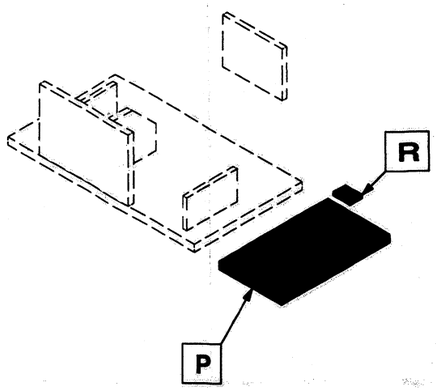
TNP4G057AA



R–BOARD

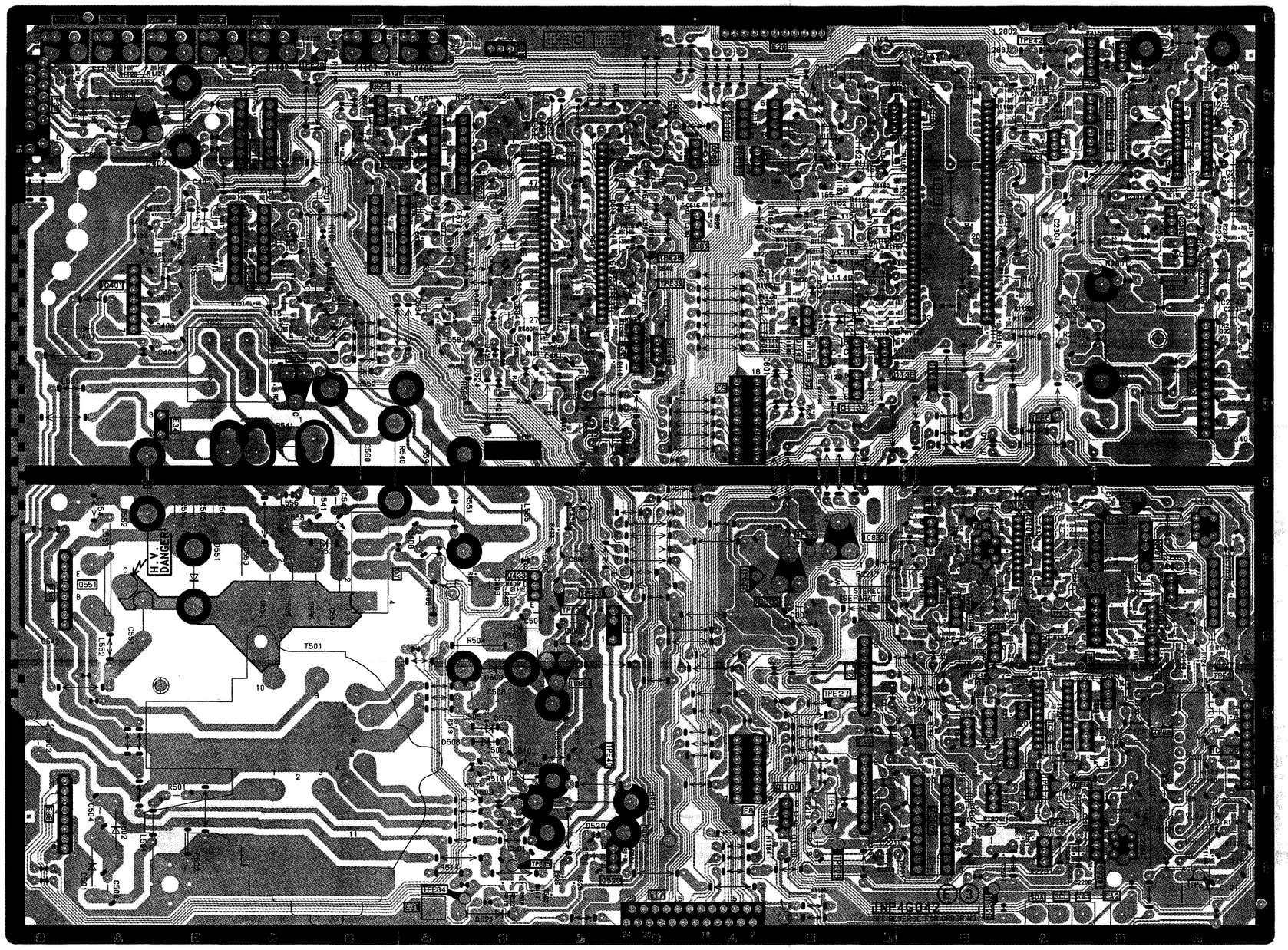
TNP4G052AE





TC–25L10R / TC–2525R / TX–25L10X

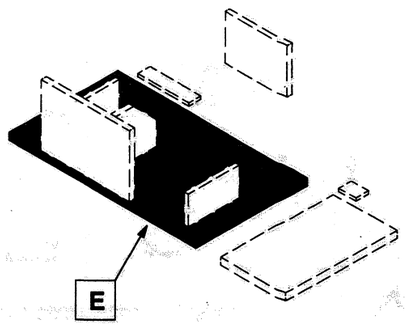
E–BOARD
TC–2525R : TNP4G042AS
TC–25L10R : TNP4G042AR
TX–25L10X : TNP4G042AQ



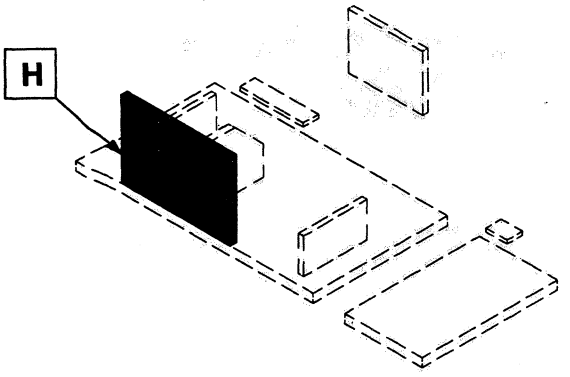
PARTS LOCATION

E-BOARD			
IC		Q1131	E-4
IC101	F-3	Q1132	E-4
IC102	G-3	Q1133	E-4
IC201	F-2	Q1140	E-4
IC401	A-4	Q1180	E-2
IC402	B-4	Q1190	D-4
IC601	D-5	Q2301	G-4
IC602	C-5	Q2303	G-5
IC603	C-5	**TP**	
IC880	A-5	TPE2	G-2
IC881	D-2	TPE3	G-2
IC882	E-3	TPE5	G-3
IC883	E-3	TPE6	F-4
IC1101	F-5	TPE7	F-2
IC1102	E-5	TPE8	F-3
IC1103	E-5	TPE9	F-3
IC1104	B-5	TPE10	F-3
IC1105	G-2	TPE11	F-4
IC2201	G-1	TPE12	G-3
IC2202	F-1	TPE13	G-2
IC2301	G-5	TPE14	F-2
IC2302	G-4	TPE15	G-2
TRANSISTOR		TPE16	F-2
Q101	G-3	TPE17	F-1
Q102	G-2	TPE20	B-5
Q103	F-2	TPE25	F-1
Q104	G-2	TPE26	F-1
Q140	F-3	TPE27	E-2
Q150	F-2	TPE28	F-2
Q151	F-3	TPE29	E-1
Q160	F-2	TPE30	D-2
Q433	D-3	TPE31	E-3
Q440	G-5	TPE32	E-3
Q441	F-5	TPE33	E-1
Q442	G-5	TPE34	C-1
Q520	D-1	TPE35	D-4
Q550	B-4	TPE38	D-4
Q601	D-5	TPE39	D-4
Q602	D-5	TPE40	D-2
Q651	C-5	TPE41	D-3
Q1130	F-4	TPE42	F-6

ADDRESS INFORMATION



P,G,R–Boards / E–Board

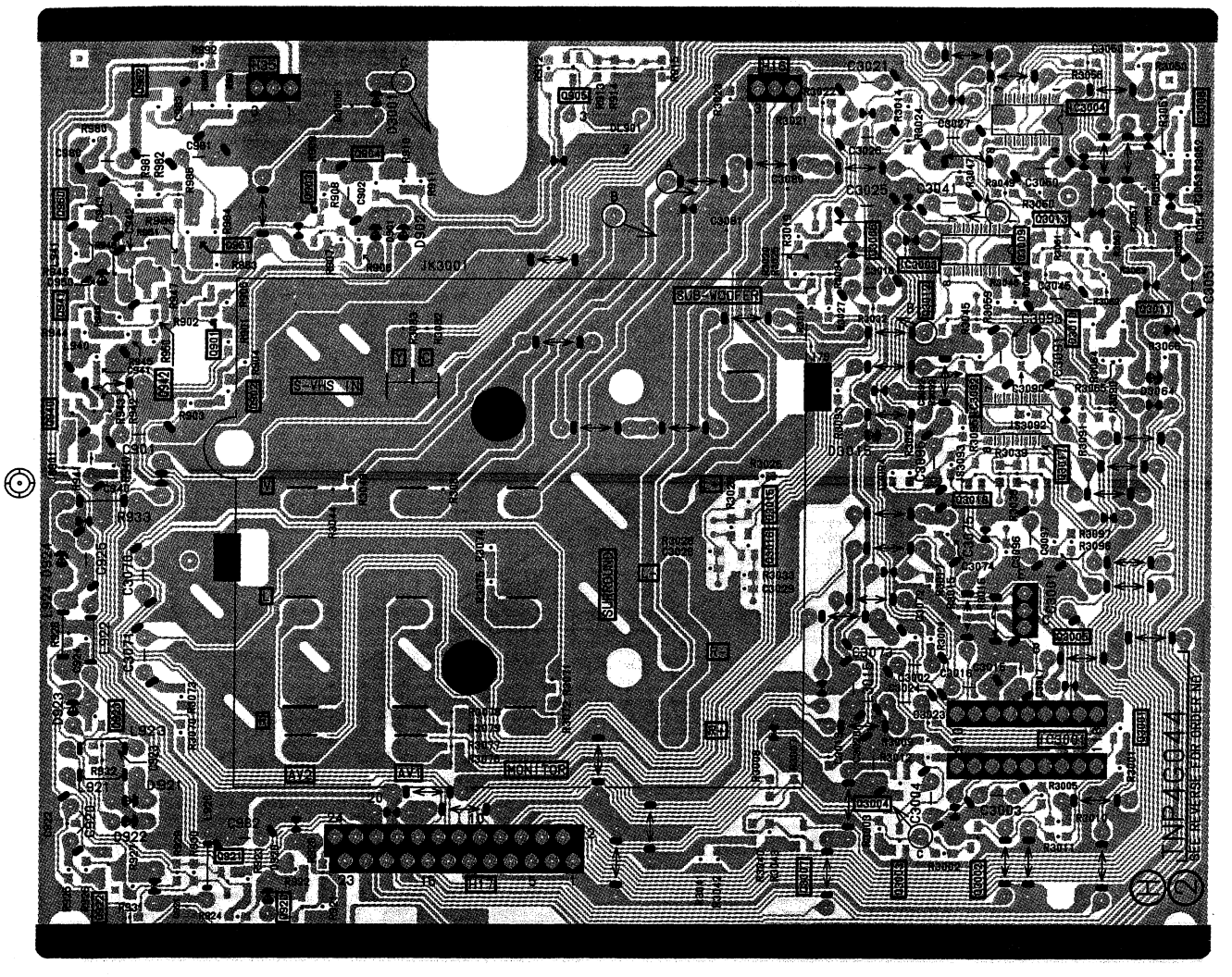


PARTS LOCATION

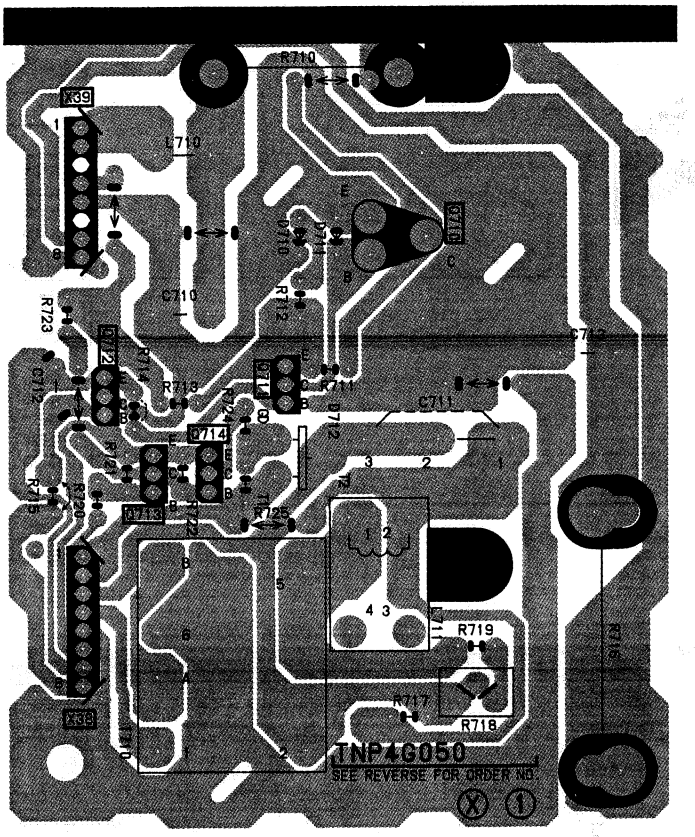
H-BOARD			
IC		Q960	A-3
IC3001	D-1	Q961	A-3
IC3002	D-3	Q962	A-4
IC3003	D-3	Q3001	E-1
IC3004	D-4	Q3002	D-1
TRANSISTOR		Q3003	D-1
Q901	A-3	Q3004	D-1
Q902	A-3	Q3005	D-2
Q903	B-3	Q3006	D-3
Q904	B-4	Q3007	C-1
Q905	C-4	Q3008	E-4
Q920	B-1	Q3010	D-3
Q921	A-1	Q3011	E-3
Q922	A-1	Q3012	D-3
Q923	A-1	Q3013	D-3
Q940	A-3	Q3015	C-3
Q941	A-3	Q3016	C-3
Q942	A-3	Q3017	D-2
		Q3018	D-2

ADDRESS INFORMATION

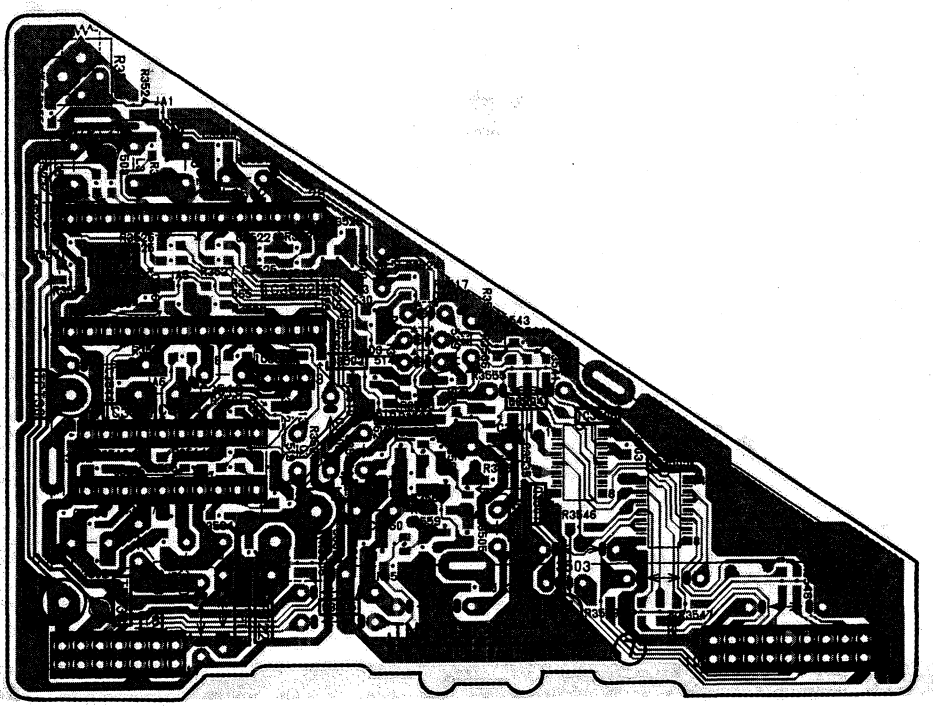
H–BOARD
TNP4G044AJ



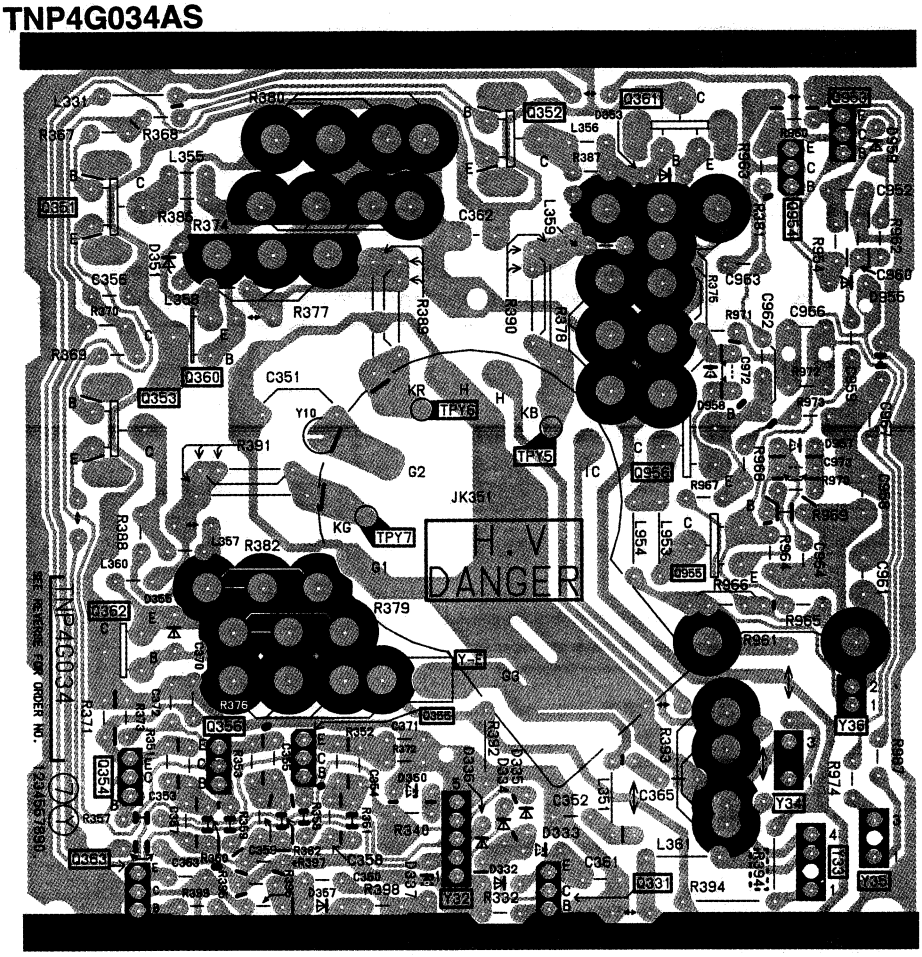
X–BOARD
TNP4G050AH



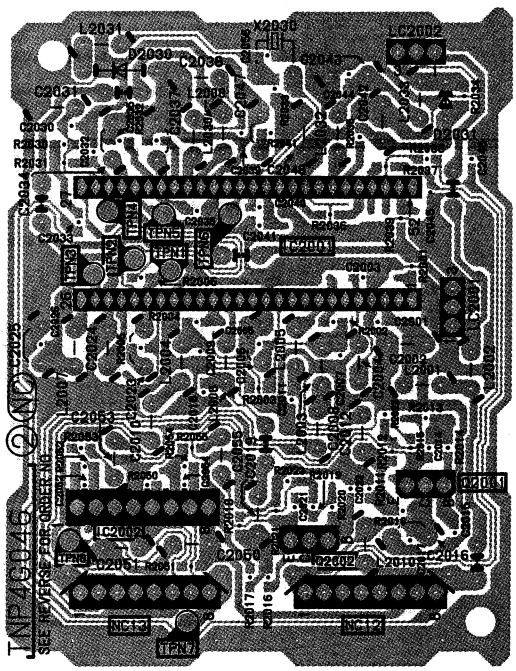
T–BOARD
TNP4G039AG (For TX–25L10X)



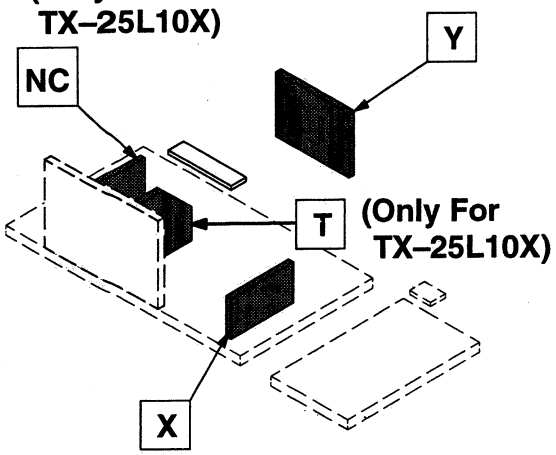
Y–BOARD
TNP4G034AS



NC–BOARD
TNP4G046AD
(For TX–25L10X)



(Only For TX–25L10X)



(Only For TX–25L10X)

Schematic Diagram

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes :

3. Resistor
   All resistors are carbon 1/4W resistor. unless marked as follows :
   Unit of resistance is OHM [Ω] (K=1.000 . M=1.000.000).
   - ◯ : Nonflammable
   - △ : Solid
   - ◪ : Wire Wound
   - ⊠ : Metal Oxide
   - ◎ : Metal Film
   - ⊗ : Fuse

4. Capacitor
   All capacitors are ceramic 50V capacitor. unless marked as follows :
   Unit of capacitance is μF. unless otherwise noted.
   - ⊗ : Temperature Compensation
   - Ⓜ : Polyester
   - ⓜ : Metalized Polyester
   - ⊠ : Polypropylene
   - +⊣⊢− : Electrolytic
   - NP⊣⊢ : Bipolar
   - Ⓣ : Dipped Tantalum
   - Ⓩ : Z–Type

5. Coil
   Unit of inductance is μH. unless otherwise noted.

6. Test Point
   - ⚲ : Test Point position

7. Earth Symbol
   - ⏚ : Chassis Earth (Cold)
   - ⏚ : Line Earth (Hot)

8. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following :
   - Power Source ..... AC 220V, 50Hz
   - Receiving Signal ..... Colour Bar signal (RF)
   - All customer's controls ..... Maximum positions

9. Number in red circle indicates waveform number.
   (See waveform pattern table.)

10. When arrow mark (↗) is found. connection is easily found from the direction of arrow.

11. ➡ ndicates the major signal flow.

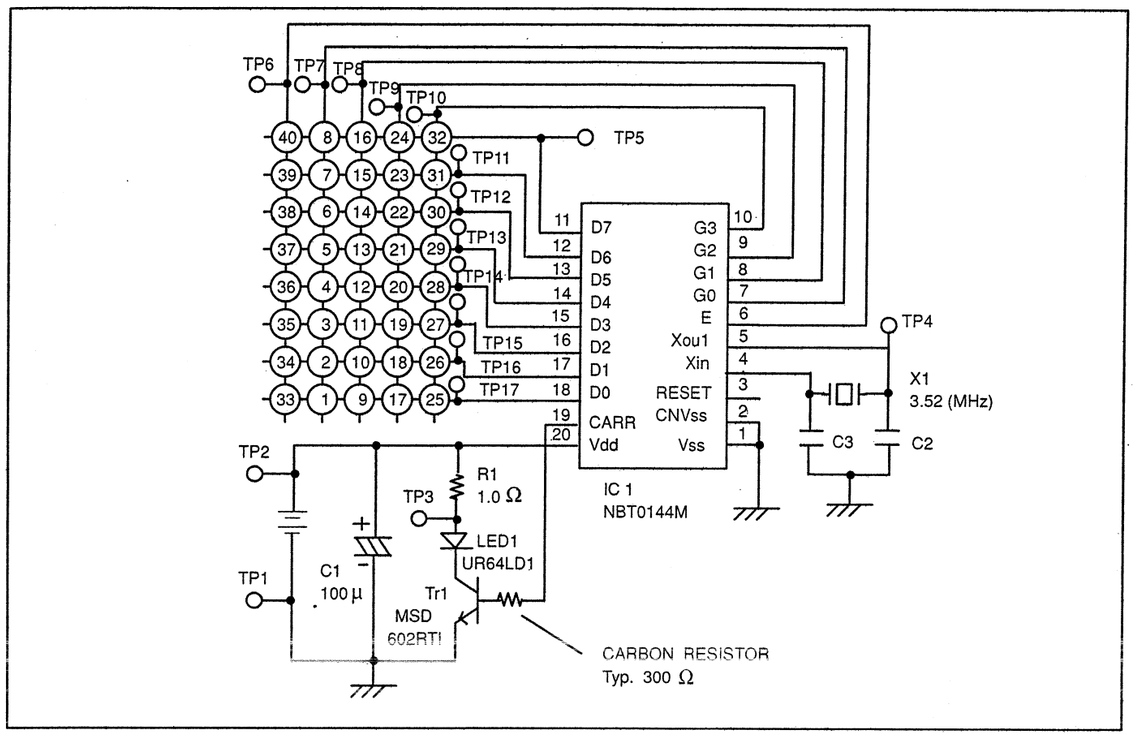
12. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks :

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions. All circuits. except the Power Circuit. are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short–circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument. such as an oscilloscope. to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

2. Following diodes are interchangeable.
   MA150 – MA162 (Replacement part)

Remote Controller EUR644661

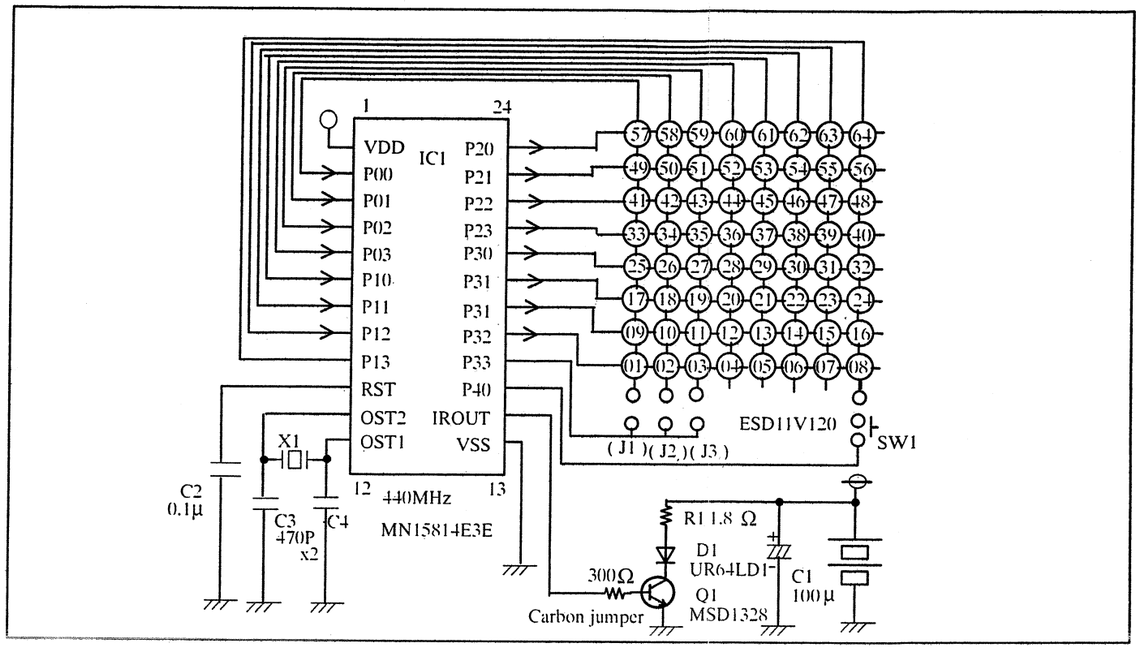


Key Function Table

Key No.	Function	Key No.	Function	Key No.	Function
1	⏻	15	8	29	∧
2	∞/▽ I / II	16	0	30	∨
3	GAME	17	S	31	+
4	N	18	REC ●	32	–
5	⏻	19	▷▷	33	MENU S
6	SURROUND	20	▯▯▷	34	VCR ⏻
7	🔇	21	3	35	◁◁
8	TV / AV	22	6	36	▯▯
9	MENU P	23	9	37	1
10	REC ●	24	–/– –	38	4
11	▷	25	P	39	7
12	□	26	———	40	⏎
13	2	27	∧		
14	5	28	∨		

TC–25L10R / TC–2525R / TX–25L10X

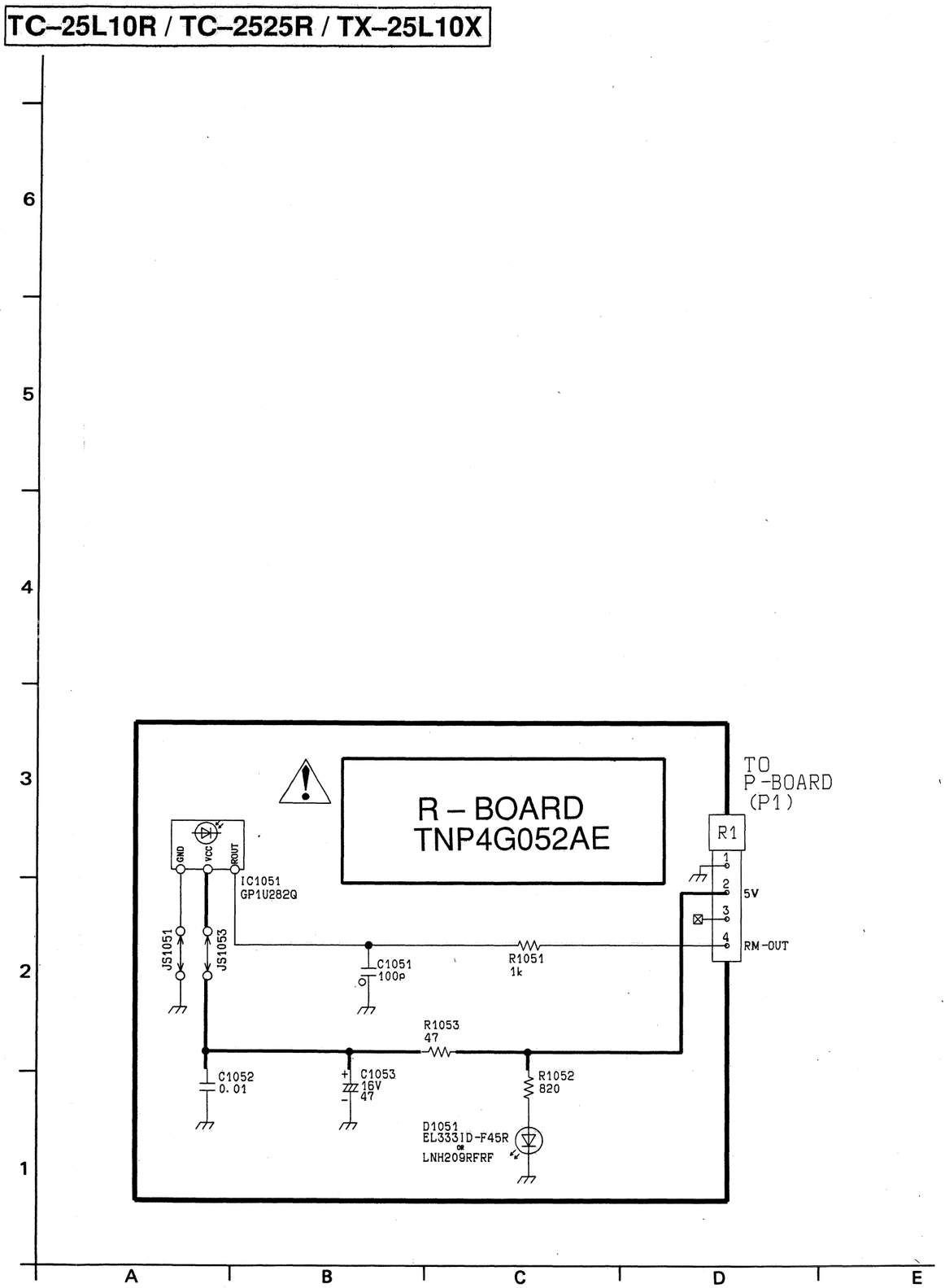
Remote Controller EUR51973



Key Function Table

Key No.	Function	Key No.	Function	Key No.	Function
1	POWER ON / OFF	22	INDEX	43	PICTURE MENU
2	1	23	YELLOW	44	
3	4	24	VCR STOP	45	N (NORMAL)
4	7	25	TV / AV	46	
5	RECAL	26	POS UP	47	S
6	TEXT / TV	27	POS DOWN	48	*
7	RED	28	VOL UP	49	SOUND MENU
8	VCR REV	29	VOL DOWN	50	OFF TIMER
9	GAME	30	HOLD	51	A / B (ST / MONO)
10	2	31	CYAN	52	SURROUND
11	5	32	VCR F . F	53	A1
12	8	33	VCR POWER	54	*
13	0	34	VCR TV / VCR	55	*
14	F / T / B	35	VCR POUSE	56	*
15	GREEN	36	VCR ADVANCE	57	*
16	VCR PLAY	37	VCR REC	58	*
17	MUTE	38	(37 + 38) P	59	*
18	3	39	VCR CH UP	60	*
19	6	40	VCR CH DOWN	61	*
20	9	41	P	62	MULTI WINDOW
21	2 DIGIT	42	*	63	STROBE
				64	AUTO ASPECT

Memo :


TC–25L10R / TC–2525R / TX–25L10X
R – BOARD
TNP4G052AE
TO
P-BOARD
(P1)
R1
1
2
3
4
5V
RM-OUT
GND
VCC
OUT
IC1051
GP1U282Q
JS1051
JS1053
C1051
100p
R1051
1k
R1053
47
C1052
0.01
C1053
16V
47
R1052
820
D1051
EL333ID-F45R
OR
LNH209RFRF
6
5
4
3
2
1
A
B
C
D
E

P–BOARD TNP4G057AA

POWER CIRCUIT

IC865
MK1210

IC802
HA17555

IC803
SE140N

Q801 2SC4581
Q802 2SD1267
Q807 2SA684R
Q808 2SC1815
Q809 2SC1815
Q810 2SC3840A
Q845 2SC1815
Q846 2SC1815
Q847 2SA1858

TO E-BOARD (E35)
TO R-BOARD (R1)

TC–25L10R / TC–2525R / TX–25L10X

H-BOARD TNP4G044AJ

AV SELECTOR AND VM CIRCUIT

E-BOARD
TC-2525R : TNP4G042AR
TC-25L10R (For Middle East and Singapore)
TNP4G042AS
(For Saudi Arabia Only)

IC1105 AN5071 BAND SWITCH

IC1102 24C04AIPA21 EEPROM

IC1103 MN1280R RESET

IC1104 TVSUPD4066BC

IC1101 MN1871675T6S MICOM

IC101 M52760SP

IC102 TVSUPD4066BC AFC ON/OFF SELECT

IC201 M52317SP

IC401 LA7833S VERTICAL DRIVE

IC402 TA8859P

IC601 AN5693K VIDEO CHROMA

IC602 TDA8395P MEGA DECODER

IC880 AN7805LB 5V REGULATOR

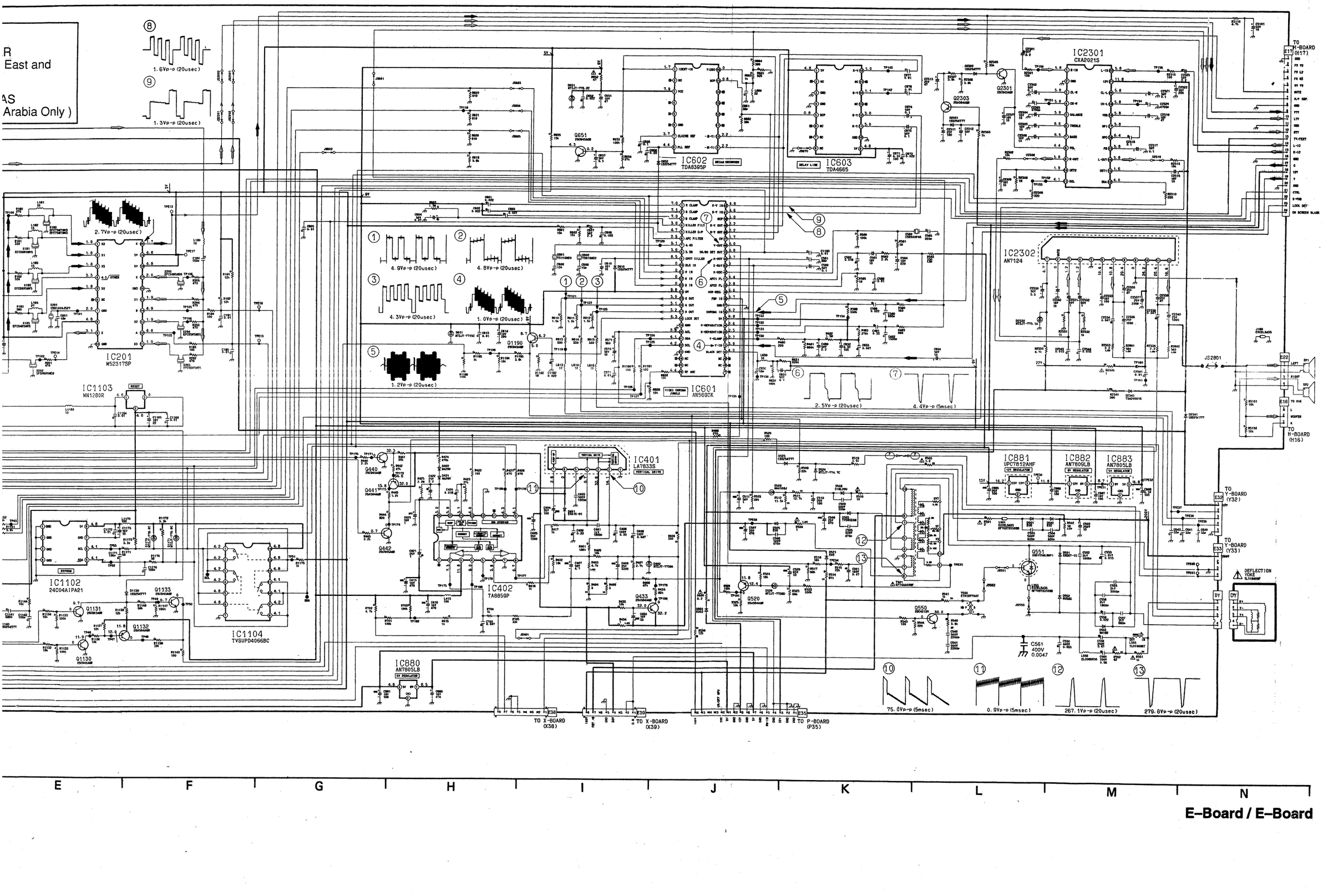
MAIN CIRCUIT

TO X-BOARD (X38)

TO X-BOARD (X39)

R
East and

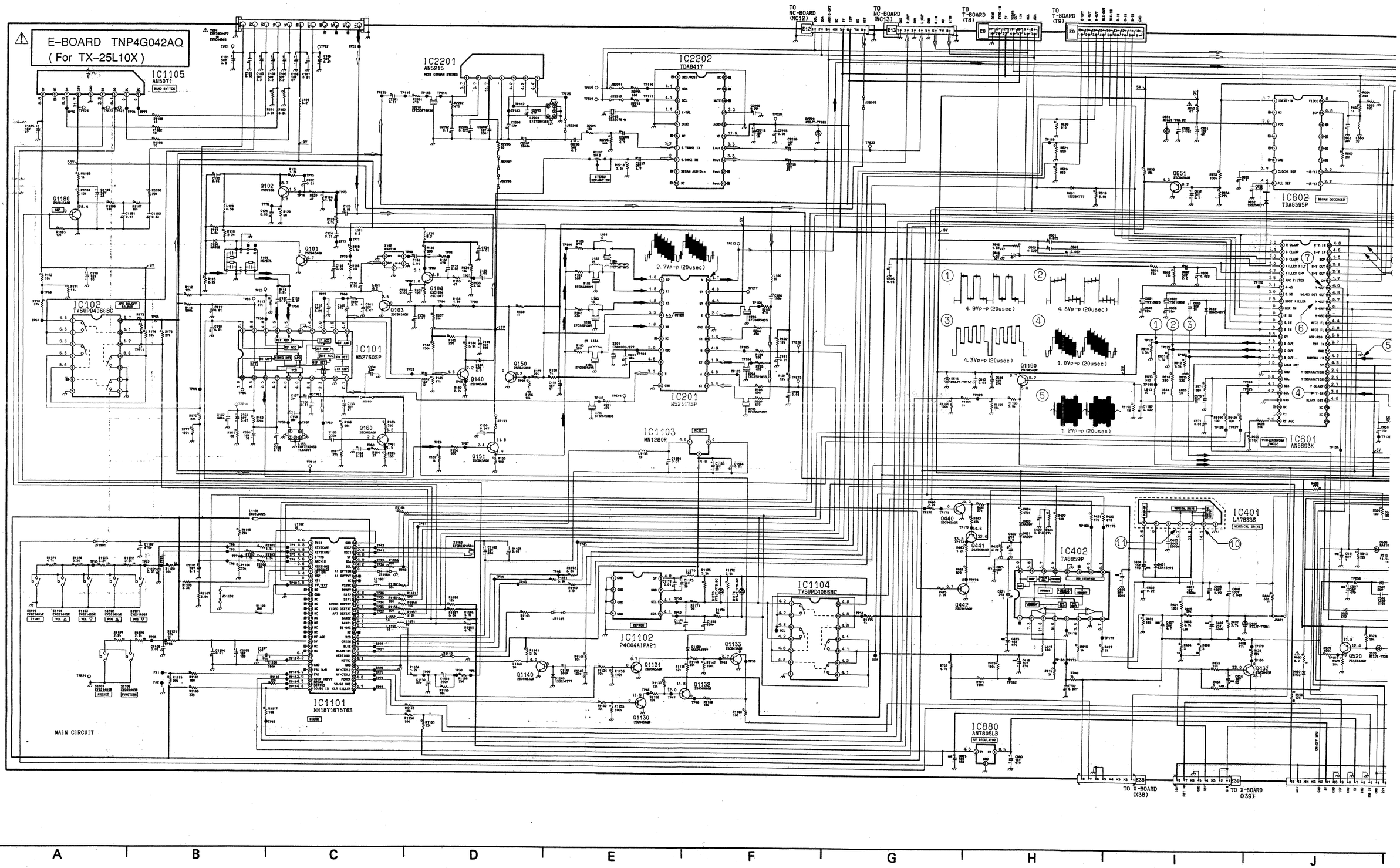
AS
Arabia Only)



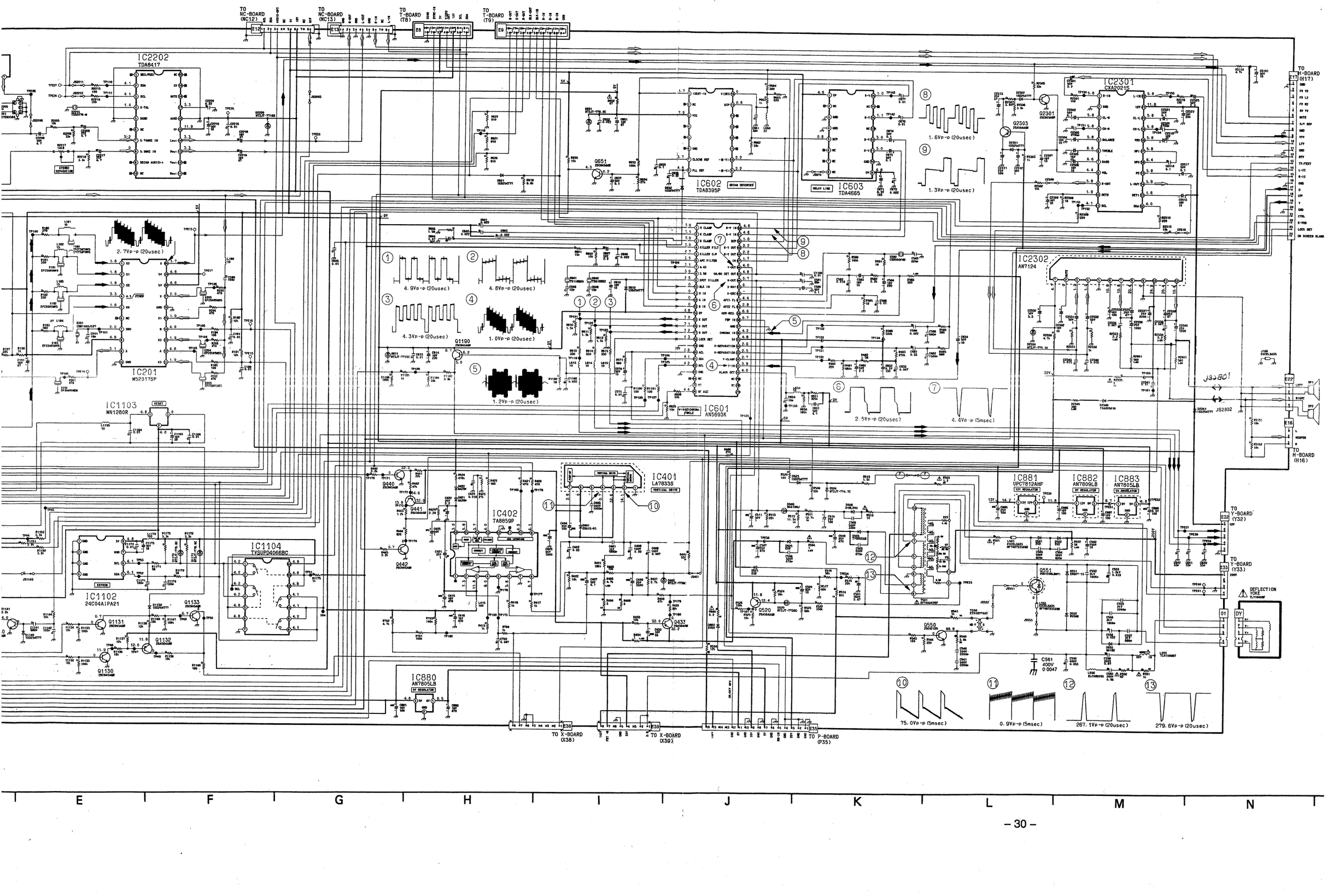
E F G H I J K L M N

E–Board / E–Board

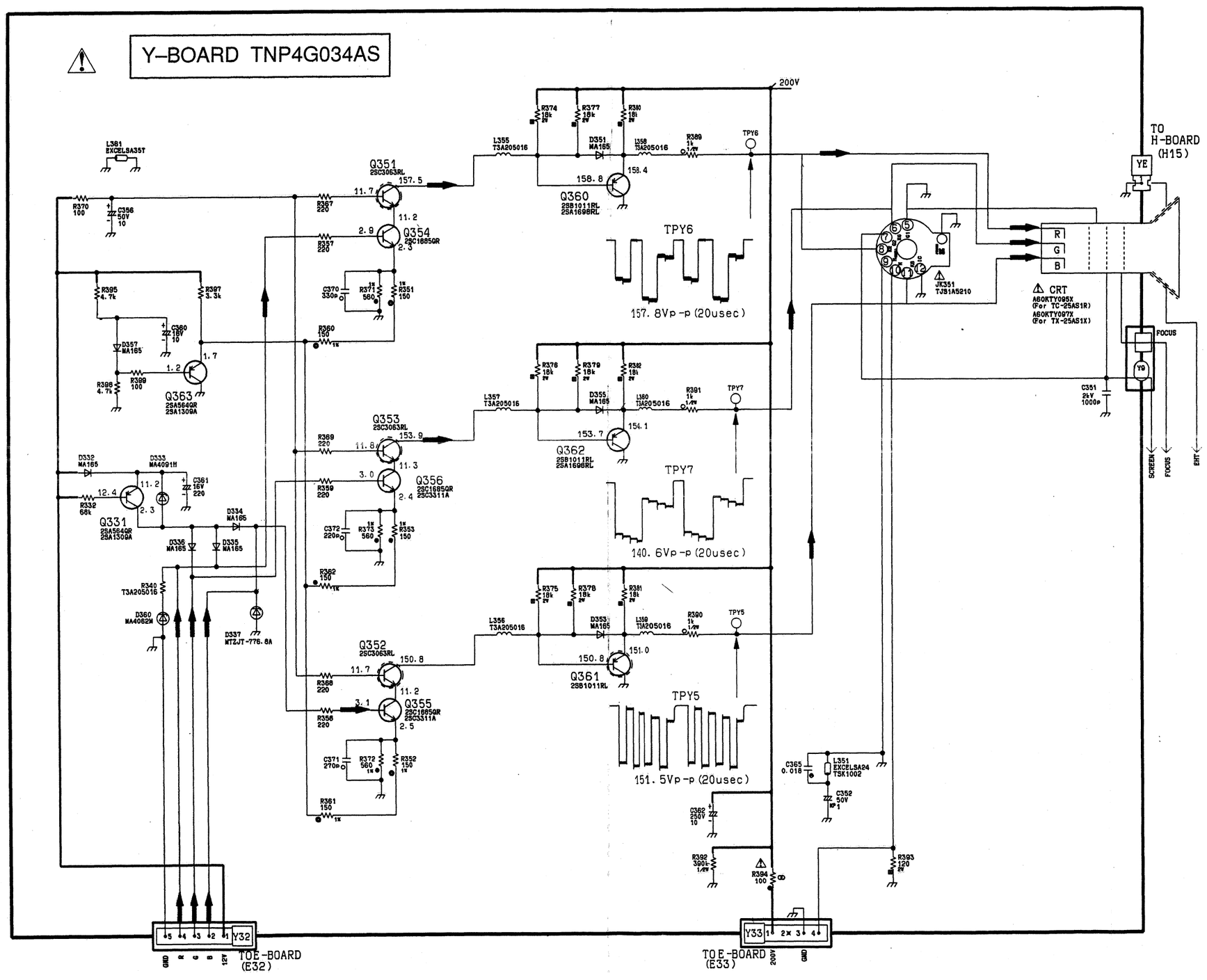
TC–25L10R / TC–2525R / TX–25L10X



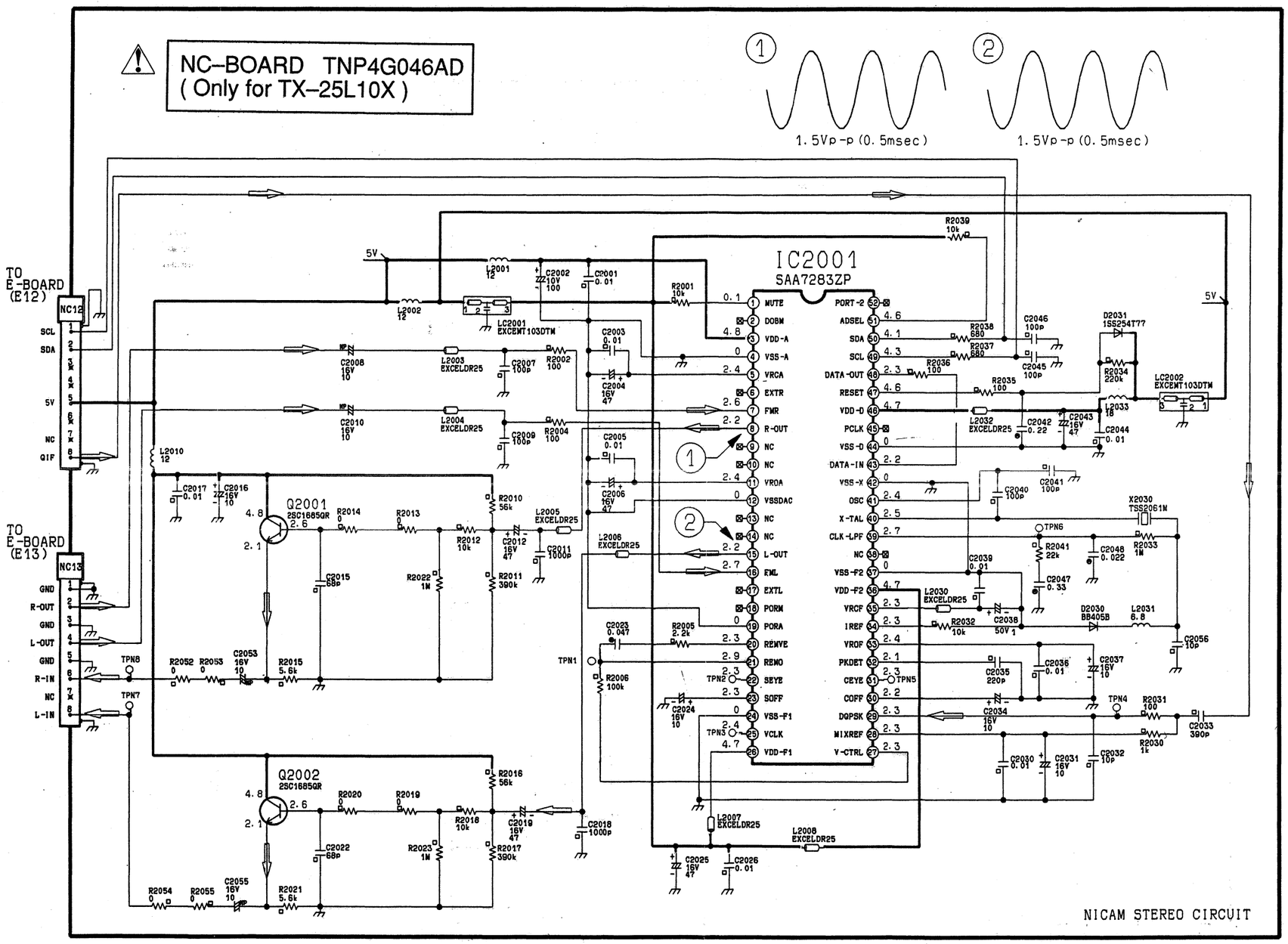
TC–25L10R / TC–2525R / TX–25L10X



Y–BOARD TNP4G034AS



TC–25L10R / TC–2525R / TX–25L10X



Y–Board / NC–Board

T–BOARD TNP4G039AG
(Only for TX–25L10X)

IC3501
CF72416
DATA SLICER

IC3502
CF70204NW
UNITEXT/EUROTEXT

IC3503
MN1280R

IC3505
TC4066BFN

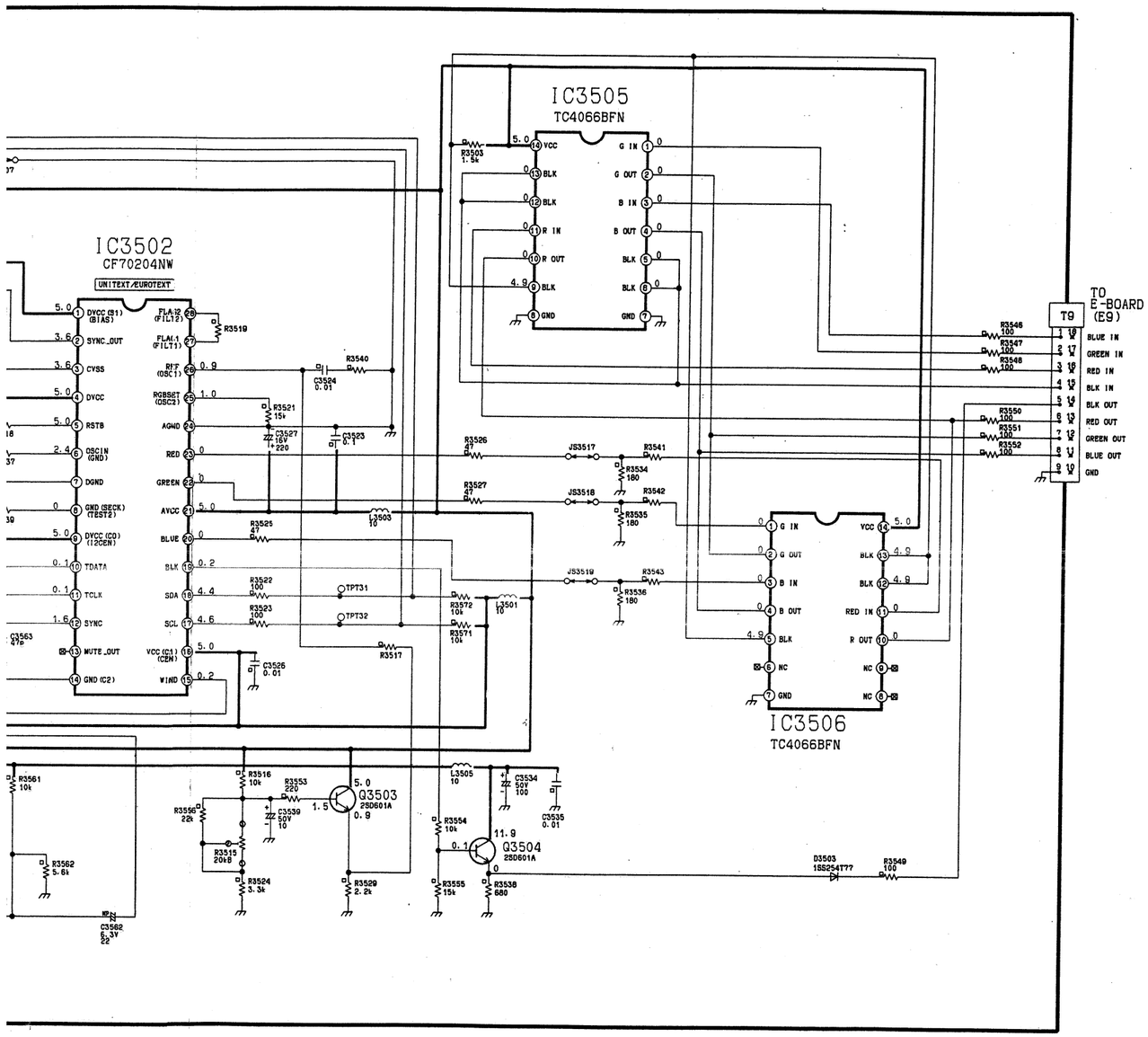
IC3506
TC4066BFN

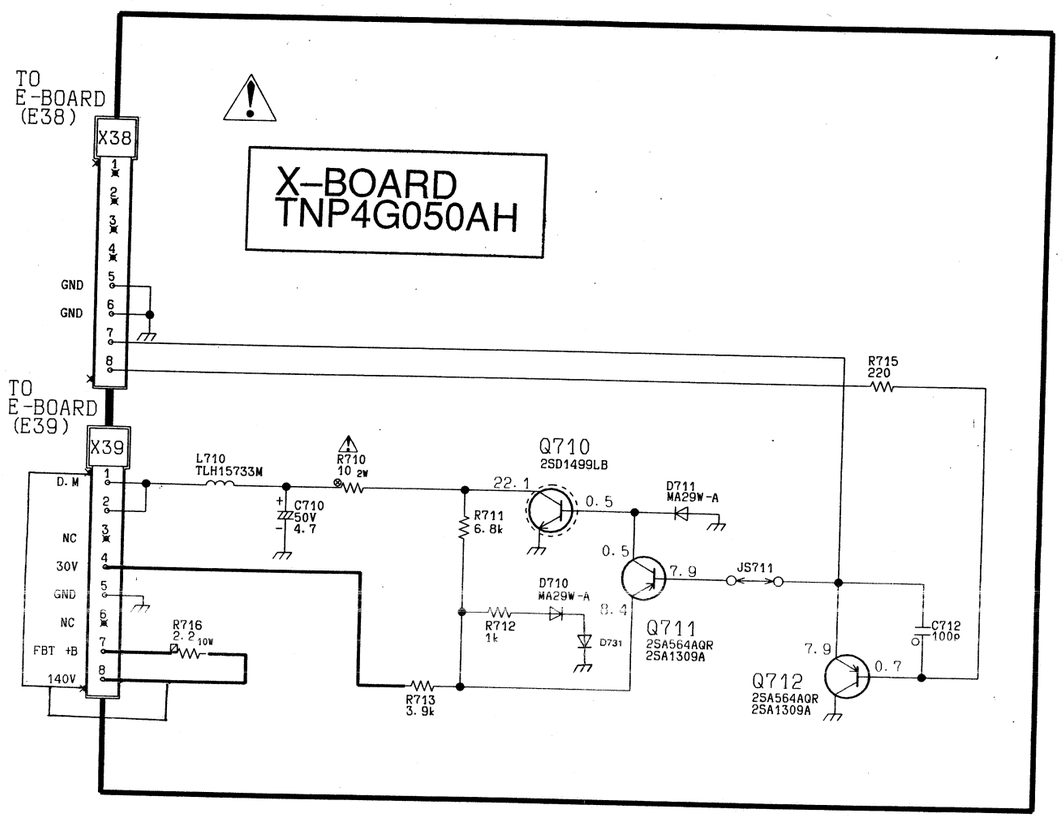
TO E-BOARD (E38)

TO E-BOARD (E39)

TO E-BOARD (E9)

TO E-BOARD (E8)


IC3502
CF70204NW
UNITEXT/EUROTEXT
IC3505
TC4066BFN
IC3506
TC4066BFN
T9
TO E-BOARD (E9)
BLUE IN
GREEN IN
RED IN
BLK IN
BLK OUT
RED OUT
GREEN OUT
BLUE OUT
GND
Q3503 2SD601A
Q3504 2SD601A
D3503 1SS254T77

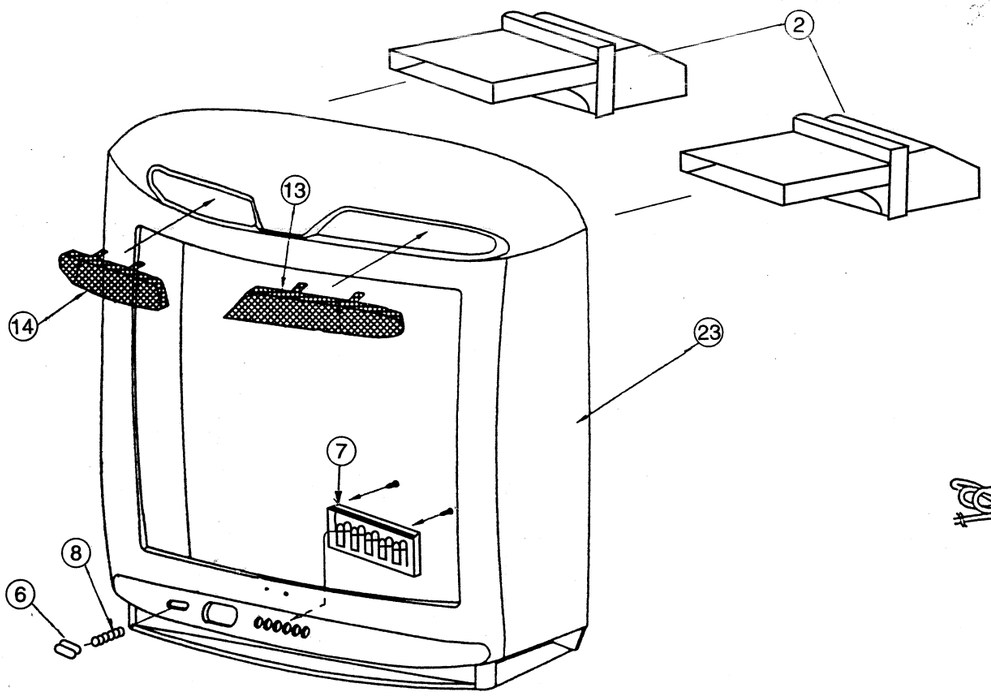

TO E-BOARD (E38)
X38
TO E-BOARD (E39)
X39
X-BOARD
TNP4G050AH
GND
GND
D. M
NC
30V
GND
NC
FBT +B
140V
L710 TLH15733M
R710 10 2W
C710 50V 4.7
R711 6.8k
R712 1k
R713 3.9k
R715 220
R716 2.2 10W
Q710 2SD1499LB
Q711 2SA564AQR 2SA1309A
Q712 2SA564AQR 2SA1309A
D710 MA29W-A
D711 MA29W-A
D731
C712 100p
JS711

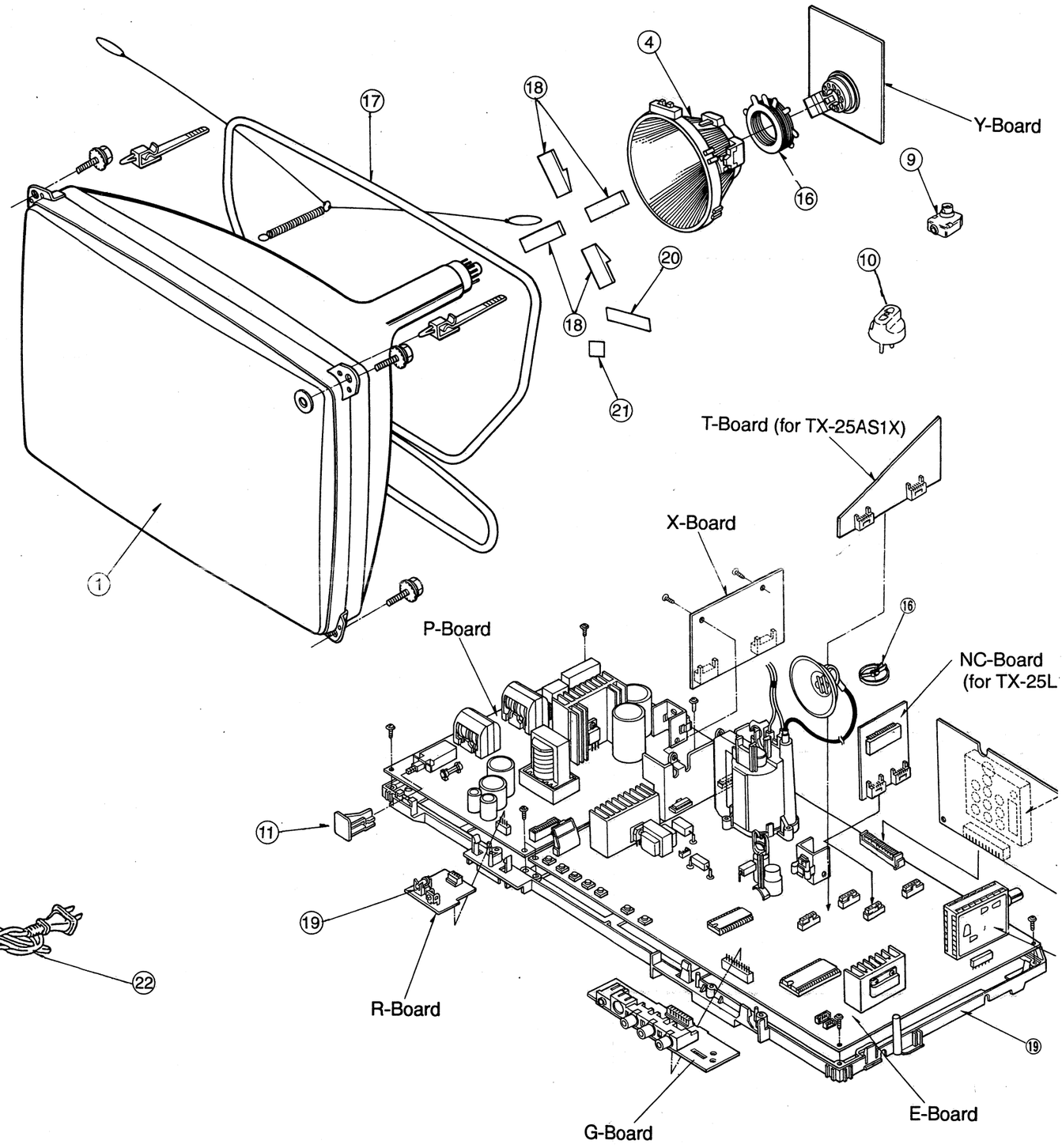
E F G H I J K L M N

TC–25L10R / TC–2525R / TX–25L10X

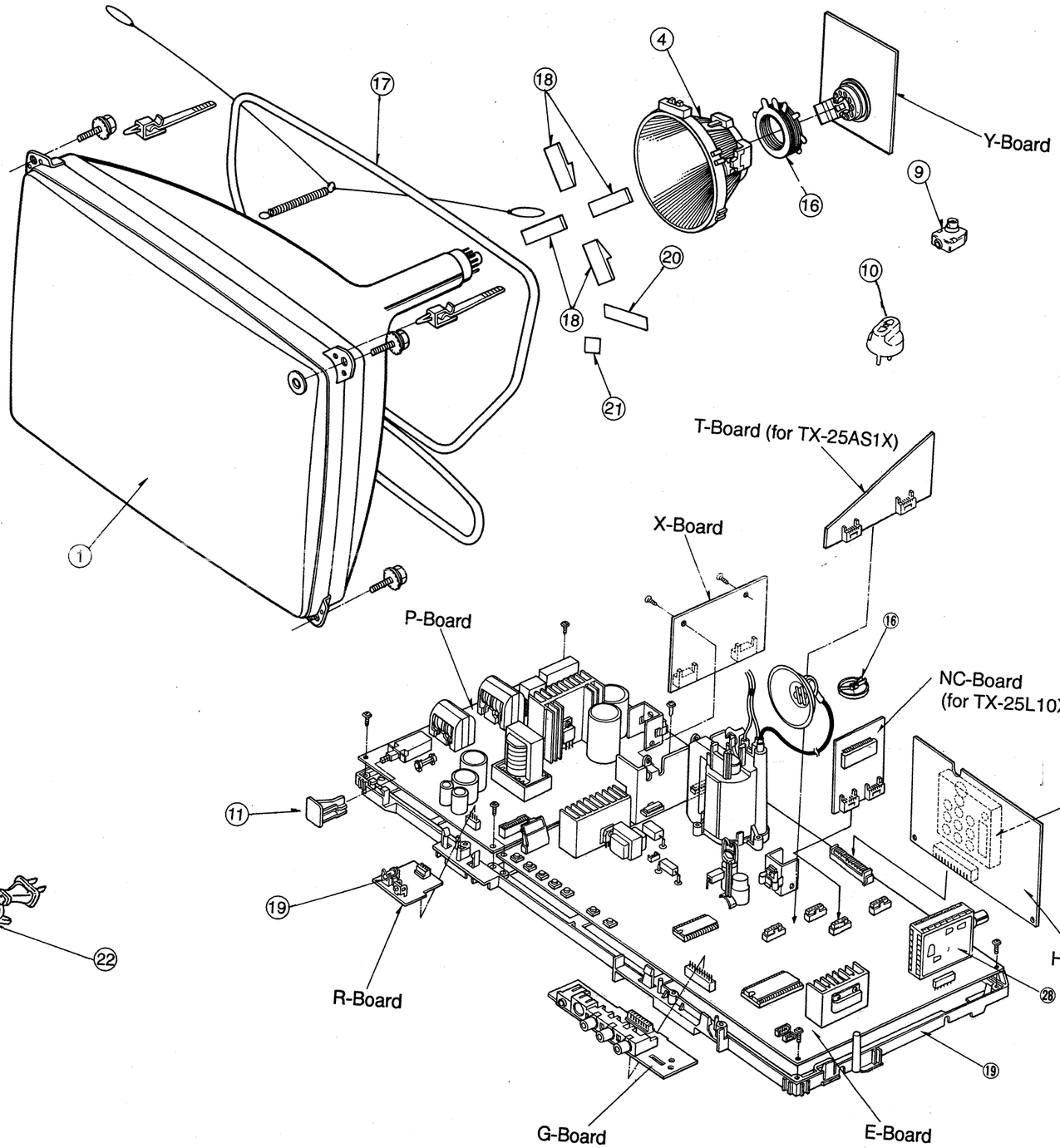
PARTS LOCATION & MECHANICAL REPLACEMENT PARTS LIST

Note: The number on mechanical parts indicates Ref. No. Mechanical Replacement Parts List.

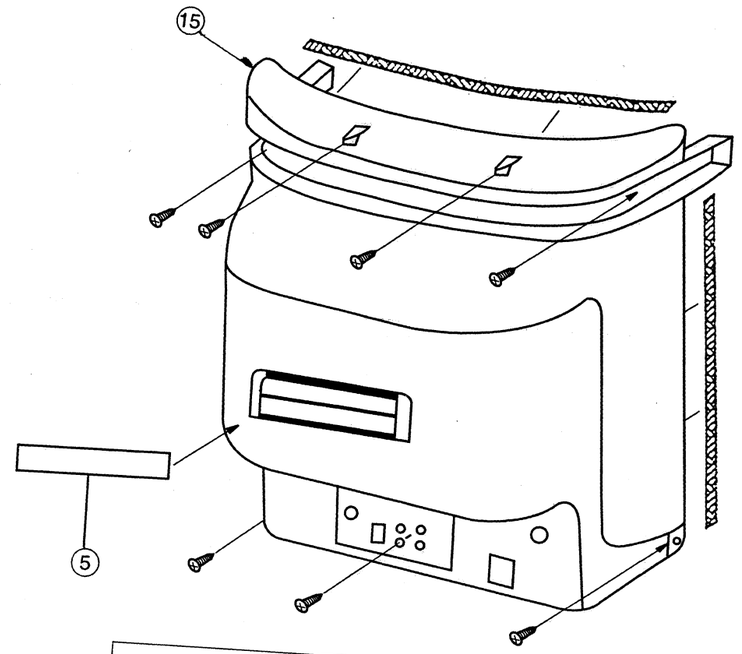


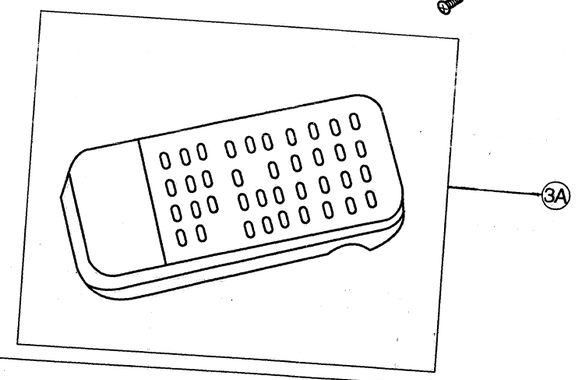


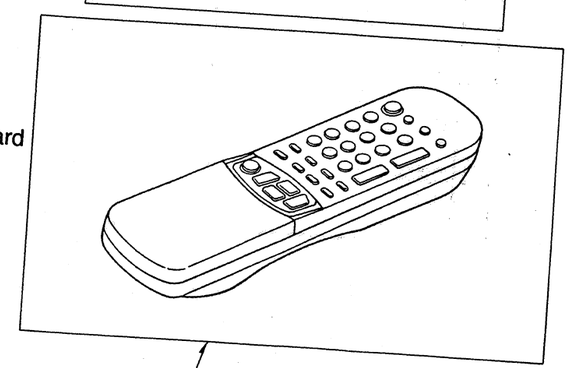
TC–25L10R / TC–2525R / TX–25L10X



TC–25L10R / TC–2525R / TX–25L10X







Ref.No.	Part No.	Description		
MECHANICAL PARTS (TC–25L10R/TC–2525R)				
1	A59KPR84X(O)	PICTURE TUBE (Singapore)	MTV	⚠
1	A59KPR84X	PICTURE TUBE (Middle East)	MTV	⚠
2	EAGG1251A2	DOME SPEAKER	MTV	
3A	EUR644661	REMOTE CONT. TRANS.	MTV	
4	KDY4QL589F	DEFLECTION YOKE	MTV	⚠
5	TBM4G0265	MODEL NAME PLATE (Singapore)	MTV	⚠
5	TBM4G0266	MODEL NAME PLATE (Middle East)	MTV	⚠
6	TBX4G82600–1	POWER BUTTON	MTV	
7	TBX4G82700	7 KEY BUTTON	MTV	
8	TES4G204	SPRING		
9	TJB1726400	ADAPTOR (Middle East)	MTV	
10	TJS2A8420	AC PLUG ADAPTOR (Middle East)		
11	TKK4G8514	POWER SWITCH SHAFT	MTV	
12	TKP4G10900	REAR AV BRACKET		
13	TKP4G50121	SP PUNCHING PANEL (R)	MTV	
14	TKP4G50131	SP PUNCHING PANEL (L)	MTV	
15	TKU4G4500–1	BACK COVER	MTV	⚠
16	TLC2090	CONVERGENCE YOKE	MTV	
17	TLK4G9010A	DEGAUSSING COIL	MTV	⚠
18	TMM27523	DY WEDGE		
19	TMW4G705	LED HOLDER		
NLA	TNP4G034AS	Y BOARD	MTV	⚠
NLA	TNP4G042AR	E BOARD (SINGAPORE/KUWAIT/UAE)	MTV	⚠
NLA	TNP4G042AS	E BOARD (SAUDI ARABIA)	MTV	⚠
NLA	TNP4G044AJ	H BOARD	MTV	⚠
NLA	TNP4G050AH	X BOARD	MTV	⚠
NLA	TNP4G052AE	R BOARD	MTV	⚠
NLA	TNP4G057AA	P BOARD	MTV	⚠
	TPC4G41603	CARTON (Singapore)	MTV	
	TPC4G41604	CARTON (Middle East)	MTV	
	TPD4G1020	CUSHION (TOP)	MTV	
	TPE4G14003	LAMI BAG	MTV	
	TPE4G14027	SET COVER	MTV	
	TQB4G1234	FAN BAG (SAUDI ARABIA)	MTV	
	TQB4G1235	FAN BAG (SINGAPORE)	MTV	
	TQB4G1240	FAN BAG (KUWAIT/UAE)	MTV	
20	TSM10032–3	MAGNET		
21	TSN63115–4	PURITY MAGNET	MTV	

Ref.No.	Part No.	Description		
22	TSX4G5132–2	AC POWER CORD (Singapore)	MTV	⚠
22	TSX4G5128–2	AC POWER CORD (Middle East)	MTV	⚠
23	TXFKY01EJ2S	CABINET ASSY (Singapore)	MTV	
23	TXFKY01EJ2P	CABINET ASSY (Middle East)	MTV	
	TXFPD02EK2S	CUSHION (BOTTOM)	MTV	
MECHANICAL PARTS (TX–25L10X)				
1	A59KPR84X(O)	PICTURE TUBE	MTV	⚠
2	EAGG1251A2	DOME SPEAKER	MTV	
3B	EUR51973	REMOTE CONT. TRANS	MTV	
4	KDY4QL589F	DEFLECTION YOKE	MTV	⚠
5	TBM4G0263	MODEL NAME PLATE	MTV	⚠
6	TBX4G82600–1	POWER BUTTON	MTV	
7	TBX4G82700	7 KEY BUTTON	MTV	
8	TES4G204	SPRING		
11	TKK4G8514	POWER SWITCH SHAFT	MTV	
12	TKP4G10900	REAR AV BRACKET		
13	TKP4G50121	SP PUNCHING PANEL (R)	MTV	
14	TKP4G50131	SP PUNCHING PANEL (L)	MTV	
15	TKU4G4500–1	BACK COVER	MTV	⚠
16	TLC2090	CONVERGENCE YOKE	MTV	
17	TLK4G9010A	DEGAUSSING COIL	MTV	⚠
18	TMM27523	DY WEDGE		
19	TMW4G705	LED HOLDER		
NLA	TNP4G034AS	Y BOARD	MTV	⚠
NLA	TNP4G039AG	T BOARD	MTV	⚠
NLA	TNP4G042AQ	E BOARD	MTV	⚠
NLA	TNP4G044AJ	H BOARD	MTV	⚠
NLA	TNP4G046AD	NC BOARD	MTV	⚠
NLA	TNP4G050AH	X BOARD	MTV	⚠
NLA	TNP4G052AE	R BOARD	MTV	⚠
NLA	TNP4G057AA	P BOARD	MTV	⚠
	TPC4G41601	CARTON	MTV	
	TPD4G1020	CUSHION (TOP)	MTV	
	TPE4G14003	LAMI BAG	MTV	
	TPE4G14027	SET COVER	MTV	
	TQB4G1231	FAN BAG	MTV	
20	TSM10032–3	MAGNET		
21	TSN63115–4	PURITY MAGNET	MTV	
22	TSX4G5132–2	AC POWER CORD	MTV	⚠
23	TXFKY01EK2S	CABINET ASSY	MTV	
	TXFPD02EK2S	CUSHION (BOTTOM)	MTV	

Replacement Parts List

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Note : Printed circuit board assembly with mark "NLA" is no longer available after production discontinuation of the complete set.

Abbreviation of part name and description

1. Resistor

Example :

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

Type		Allowance	
C :	Carbon	F :	±1%
F :	Fuse	G :	±2%
M :	Metal Oxide	J :	±5%
	Metal Film	K :	±10%
S :	Solid	M :	±20%
W :	Wire Wound		

2. Capacitor

Example :

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type		Allowance	
C :	Ceramic	C :	±0.25pF
E :	Electrolytic	D :	±0.5pF
P :	Polyester	F :	±1pF
	Polypropylene	G :	±3%
T :	Tantalum	J :	±5%
		K :	±10%
		L :	±15%
		M :	±20%
		P :	+100%, −0%
		Z :	+80%,−20%

Replacement Parts List

Ref.No.	Part No.	Description
	RESISTORS	
R101	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R102	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R111	ERJ6GEYJ184	M 180KOHM,J,1/10W
R112	ERJ6GEYJ123	M 12KOHM,J,1/10W
R113	ERJ6GEYJ473	M 47KOHM,J,1/10W
R114	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R115	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R116	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R117	ERJ6GEYJ682	M 6.8KOHM,J,1/10W
R118	ERJ6GEYJ103	M 10KOHM,J,1/10W
R119	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R120	ERJ6GEYJ680	M 68OHM,J,1/10W
R121	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R122	ERJ6GEYJ470	M 47OHM,J,1/10W
R123	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R124	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R130	ERJ6GEYJ391	M 390OHM,J,1/10W
R131	ERJ6GEYJ471	M 470OHM,J,1/10W
R132	ERJ6GEYJ121	M 120OHM,J,1/10W
R133	ERJ6GEYJ470	M 47OHM,J,1/10W
R134	ERJ6GEYJ103	M 10KOHM,J,1/10W
R135	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R136	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R137	ERJ6GEYJ103	M 10KOHM,J,1/10W
R138	ERJ6GEYJ102	M 1KOHM,J,1/10W
R140	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R141	ERJ6GEYJ473	M 47KOHM,J,1/10W
R142	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R143	ERJ6GEYJ154	M 150KOHM,J,1/10W
R144	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R145	ERJ6GEYJ221	M 220OHM,J,1/10W
R152	ERJ6GEYJ102	M 1KOHM,J,1/10W
R154	ERJ6GEYJ331	M 330OHM,J,1/10W
R155	ERJ6GEYJ101	M 100OHM,J,1/10W
R156	ERJ6GEYJ103	M 10KOHM,J,1/10W
R157	ERJ6GEYJ223	M 22KOHM,J,1/10W
R158	ERJ6GEYJ102	M 1KOHM,J,1/10W
R160	ERJ6GEYJ184	M 180KOHM,J,1/10W
R161	ERJ6GEYJ680	M 68OHM,J,1/10W
R163	ERJ6GEYJ271	M 270OHM,J,1/10W
R164	ERJ6GEYJ270	M 27OHM,J,1/10W
R165	ERJ6GEYJ151	M 150OHM,J,1/10W
R166	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R167	ERJ6GEYJ273	M 27KOHM,J,1/10W
R170	ERJ6GEYJ273	M 27KOHM,J,1/10W
R171	ERJ6GEYJ113	M 11KOHM,J,1/10W
R172	ERJ6GEYJ103	M 10KOHM,J,1/10W

Ref.No.	Part No.	Description
R173	ERJ6GEYJ273	M 27KOHM,J,1/10W
R174	ERJ6GEYJ103	M 10KOHM,J,1/10W
R175	ERJ6GEYJ273	M 27KOHM,J,1/10W
R176	ERJ6GEYJ823	M 82KOHM,J,1/10W
R177	ERJ6GEYJ104	M 100KOHM,J,1/10W
R180	ERJ6GEYJ271	M 270OHM,J,1/10W
R181	ERJ6GEYJ331	M 330OHM,J,1/10W
R182	ERJ6GEYJ331	M 330OHM,J,1/10W
R183	ERJ6GEYJ561	M 560OHM,J,1/10W
R191	ERJ6GEYJ123	M 12KOHM,J,1/10W
R192	ERJ6GEYJ123	M 12KOHM,J,1/10W
R193	ERJ6GEYJ101	M 100OHM,J,1/10W
R194	ERJ6GEYJ101	M 100OHM,J,1/10W
R201	ERJ6GEYJ471	M 470OHM,J,1/10W
R202	ERJ6GEYJ471	M 470OHM,J,1/10W
R203	ERJ6GEYJ471	M 470OHM,J,1/10W
R204	ERJ6GEYJ471	M 470OHM,J,1/10W
R205	ERJ6GEYJ471	M 470OHM,J,1/10W
R351	ER0S2CKF1500	M 150OHM, F,1/4W
R352	ER0S2CKF1500	M 150OHM, F,1/4W
R353	ER0S2CKF1500	M 150OHM, F,1/4W
R357	ERDS2TJ221	C 220OHM, J,1/4W
R358	ERDS2TJ221	C 220OHM, J,1/4W
R359	ERDS2TJ221	C 220OHM, J,1/4W
R360	ER0S2CKF1500	M 150OHM, F,1/4W
R361	ER0S2CKF1500	M 150OHM, F,1/4W
R362	ER0S2CKF1500	M 150OHM, F,1/4W
R367	ERDS2TJ221	C 220OHM, J,1/4W
R368	ERDS2TJ221	C 220OHM, J,1/4W
R369	ERDS2TJ221	C 220OHM, J,1/4W
R370	ERDS2TJ101	C 100OHM, J,1/4W
R371	ER0S2CKF5600	M 560OHM, F,1/4W
R372	ER0S2CKF5600	M 560OHM, F,1/4W
R373	ER0S2CKF5600	M 560OHM, F,1/4W
R374	ERG2FJS183D	M 18KOHM, J, 2W
R375	ERG2FJS183D	M 18KOHM, J, 2W
R376	ERG2FJS183D	M 18KOHM, J, 2W
R377	ERG2FJS183D	M 18KOHM, J, 2W
R378	ERG2FJS183D	M 18KOHM, J, 2W
R379	ERG2FJS183D	M 18KOHM, J, 2W
R380	ERG2FJS183D	M 18KOHM, J, 2W
R381	ERG2FJS183D	M 18KOHM, J, 2W
R382	ERG2FJS183D	M 18KOHM, J, 2W
R389	ERD50FJ102	C 1KOHM, J,1/2W
R390	ERD50FJ102	C 1KOHM, J,1/2W
R391	ERD50FJ102	C 1KOHM, J,1/2W
R392	ERDS1TJ394	C 390KOHM, J,1/2W
R393	ERG2FJS121D	M 120OHM, J, 2W

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Ref.No.	Part No.	Description
R394	ERQ12AJ101	F 100OHM, J,1/2W ⚠
R395	ERDS2TJ392	C 3.9KOHM, J,1/4W
R397	ERDS2TJ561	C 560OHM, J,1/4W
R398	ERDS2TJ471	C 470OHM, J,1/4W
R399	ERDS2TJ101	C 100OHM, J,1/4W
R401	ERJ6GEYJ184	M 180KOHM,J,1/10W
R402	ERJ6GEYJ183	M 18KOHM,J,1/10W
R403	ERDS1TJ472	C 4.7KOHM, J,1/2W MTV
R404	ER0S2CKF3R00	M 3OHM, F,1/4W
R405	ERJ6GEYJ103	M 10KOHM,J,1/10W
R406	ERG1SJ331P	M 330OHM, J, 1W
R407	ERJ6GEYJ272	M 2.7KOHM,J,1/10W
R408	ERJ6GEYJ473	M 47KOHM,J,1/10W
R409	ER0S2CKF3R00	M 3OHM, F,1/4W
R415	ERJ6GEYJ102	M 1KOHM,J,1/10W
R416	ERJ6GEYJ102	M 1KOHM,J,1/10W
R417	ERJ6GEYJ102	M 1KOHM,J,1/10W
R420	ERJ6GEYJ471	M 470OHM,J,1/10W
R421	ERJ6GEYJ471	M 470OHM,J,1/10W
R422	ERJ6GEYJ101	M 100OHM,J,1/10W
R423	ERJ6GEYJ273	M 27KOHM,J,1/10W
R424	ERJ6GEYJ474	M 470KOHM,J,1/10W
R425	ERJ6GEYJ225	M 2.2MOHM, 1/10W
R433	ERJ6GEYJ103	M 10KOHM,J,1/10W
R434	ERDS1FJ1R0	C 1OHM, J,1/2W
R435	ERJ6GEYJ823	M 82KOHM,J,1/10W
R440	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R441	ERJ6GEYJ223	M 22KOHM,J,1/10W
R442	ERJ6GEYJ473	M 47KOHM,J,1/10W
R443	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R444	ERJ6GEYJ821	M 820OHM,J,1/10W
R445	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R480	ERJ6GEYJ221	M 220OHM,J,1/10W
R481	ERJ6GEYJ684	M 680KOHM,J,1/10W
R482	ERJ6GEYJ155	M 1.5MOHM,J,1/10W
R483	ERJ6GEYJ274	M 270KOHM,J,1/10W
R485	ERJ6GEYJ681	M 680OHM,J,1/10W
R486	ERJ6GEYJ271	M 270OHM,J,1/10W
R501	ERQ14AJ2R0P	F 2.0OHM, J,1/4W ⚠
R502	ERDS1TJ105	C 1MOHM, J,1/2W
R503	ERQ1CJPR82S	F 0.82OHM, J, 1W MTV ⚠
R504	ERQ12HJ1R0	F 1OHM, J,1/2W ⚠
R509	ERJ6GEYJ223	M 22KOHM,J,1/10W
R510	ERQ14AJ100P	F 10OHM, J,1/4W ⚠
R511	ERJ6ENF1372	M13.7KOHM, 1/10W MTV
R512	ERJ6ENF1472	M14.7KOHM, 1/10W MTV
R513	ERJ6GEYJ223	M 22KOHM,J,1/10W
R514	ER025CKF1273	M 127KOHM, F,1/4W MTV
R515	ERJ6GEYJ223	M 22KOHM,J,1/10W

Ref.No.	Part No.	Description
R516	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R517	ERJ6GEYJ683	M 68KOHM,J,1/10W
R519	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R520	ERJ6GEYJ101	M 100OHM,J,1/10W
R522	ERJ6GEYJ334	M 330KOHM,J,1/10W
R523	ERJ6GEYJ683	M 68KOHM,J,1/10W
R524	ERJ6GEYJ183	M 18KOHM,J,1/10W
R525	ERJ6GEYJ103	M 10KOHM,J,1/10W
R526	ERJ6GEYJ104	M 100KOHM,J,1/10W
R540	ERG3SJ392H	M 3.9KOHM, J, 3W
R541	ERF7ZJ102	W 1KOHM, J, 7W
R543	ERJ6GEYJ101	M 100OHM,J,1/10W
R544	ERJ6GEYJ221	M 220OHM,J,1/10W
R550	ERG3SJ123H	M 12KOHM, J, 3W
R551	ERQ2CJP102S	F 1KOHM, J, 2W ⚠
R552	ERQ1CJ820	F 82OHM, J, 1W ⚠
R571	ERJ6GEYJ561	M 560OHM,J,1/10W
R580	ERJ6GEYJ104	M 100KOHM,J,1/10W
R581	ERJ6GEYJ105	M 1MOHM,J,1/10W
R582	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R583	ERDS1TJ331	C 330OHM, J,1/2W
R585	ERJ6GEYJ105	M 1MOHM,J,1/10W
R588	ERJ6GEYJ684	M 680KOHM,J,1/10W
R590	ERJ6GEYJ561	M 560OHM,J,1/10W
R601	ERJ6GEYJ153	M 15KOHM,J,1/10W
R602	ERJ6GEYJ153	M 15KOHM,J,1/10W
R603	ERJ6GEYJ155	M 1.5MOHM,J,1/10W
R610	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R611	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R612	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R613	ERJ6GEYJ331	M 330OHM,J,1/10W
R614	ERJ6GEYJ331	M 330OHM,J,1/10W
R615	ERJ6GEYJ331	M 330OHM,J,1/10W
R619	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R620	ERJ6GEYJ911	M 910OHM,J,1/10W
R621	ERJ6GEYJ911	M 910OHM,J,1/10W
R622	ERJ6GEYJ911	M 910OHM,J,1/10W
R623	ERJ6GEY0R00	M 0OHM,J,1/10W
R628	ERJ6GEYJ103	M 10KOHM,J,1/10W
R629	ERJ6GEYJ103	M 10KOHM,J,1/10W
R630	ERJ6GEYJ154	M 150KOHM,J,1/10W
R631	ERJ6GEYJ824	M 820KOHM,J,1/10W
R652	ERQ14AJ470P	F 47OHM, J,1/4W ⚠
R653	ERJ6GEYJ104	M 100KOHM,J,1/10W
R654	ERJ6GEYJ273	M 27KOHM,J,1/10W
R655	ERJ6GEYJ153	M 15KOHM,J,1/10W
R662	ERJ6GEYJ393	M 39KOHM,J,1/10W
R663	ERJ6GEYJ102	M 1KOHM,J,1/10W
R664	ERJ6GEYJ391	M 390OHM,J,1/10W

Ref.No.	Part No.	Description
R665	ERJ6GEYJ821	M 820OHM,J,1/10W
R701	ERJ6GEYJ104	M 100KOHM,J,1/10W
R702	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R703	ERJ6GEYJ104	M 100KOHM,J,1/10W
R704	ERD25TJ102	C 1KOHM, J,1/4W
R710	ERQ2CJP100S	F 10OHM, J, 2W ⚠
R711	ERDS2TJ472	C 4.7KOHM, J,1/4W
R712	ERDS2TJ681	C 680OHM, J,1/4W
R713	ERDS2TJ392	C 3.9KOHM, J,1/4W
R715	ERDS2TJ221	C 220OHM, J,1/4W
R716	ERF10ZK2R2	W 2.2OHM, K, 10W
R801	ERF10ZK1R5	W 1.5OHM, 10W
R812	ERG2ANJ104H	M 100KOHM, J, 2W
R813	ERG2ANJ104H	M 100KOHM, J, 2W
R814	ERDS1TJ224	C 220KOHM, J,1/2W
R815	ERDS1TJ224	C 220KOHM, J,1/2W
R816	ERDS1FJ203	C 20KOHM, J,1/2W
R820	ERX3ANJ4R7H	M 4.7OHM, J, 3W MTV
R821	ERG3ANJ390H	M 39OHM, J, 3W
R822	ERDS2TJ152	C 1.5KOHM, J,1/4W
R823	ERDS2TJ821	C 820OHM, J,1/4W
R824	ERDS2TJ152	C 1.5KOHM, J,1/4W
R825	ERD25FJ1R0	C 1OHM, J,1/4W
R829	ERG2ANJ222H	M 2.2KOHM, J, 2W
R830	ERG1ANJ472H	M 4.7KOHM, J, 1W
R831	ERDS2TJ102	C 1KOHM, J,1/4W
R832	ERG1ANJ472H	M 4.7KOHM, J, 1W
R833	ERDS2TJ472	C 4.7KOHM, J,1/4W
R834	ERDS2TJ102	C 1KOHM, J,1/4W
R835	ERDS2TJ102	C 1KOHM, J,1/4W
R836	ERDS2TJ272	C 2.7KOHM, J,1/4W
R837	ERDS2TJ821	C 820OHM, J,1/4W
R838	ERDS1TJ151	C 150OHM, J,1/2W
R839	ERDS2TJ102	C 1KOHM, J,1/4W
R840	ERDS2TJ102	C 1KOHM, J,1/4W
R844	ERQ16NK1R0E	F 1.0OHM, 1/6W ⚠
R845	ERDS1TJ302	C 3KOHM, J,1/2W
R846	ERG1SJ472P	M 4.7KOHM, 1W
R847	ERQ16NK1R0E	F 1.0OHM, 1/6W ⚠
R848	ERDS2TJ102	C 1KOHM, J,1/4W
R849	ERDS1TJ201	C 200OHM, J,1/2W
R850	ERDS2TJ472	C 4.7KOHM, J,1/4W
R851	ERDS2TJ103	C 10KOHM, J,1/4W
R852	ERD25TJ472	C 4.7KOHM, J,1/4W
R853	ERQ12HKR82	F 0.82OHM, K,1/2W ⚠
R855	ERQ1CKPR47S	F 0.47OHM, K, 1W MTV ⚠
R856	ERD25FJ1R0	C 1OHM, J,1/4W
R860	ERD75TAJ825	C 8.2MOHM, J,3/4W ⚠

Ref.No.	Part No.	Description
R865	ERW2PJ150P	W 15OHM, J, 2W
R866	ERG3SJ270H	M 27OHM, J, 3W
R880	ERQ12HJ8R2	F 8.2OHM, J,1/2W ⚠
R1051	ERDS2TJ102	C 1KOHM, J,1/4W
R1052	ERDS2TJ821	C 820OHM, J,1/4W
R1053	ERDS2TJ470	C 47OHM, J,1/4W
R1101	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1102	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1103	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1104	ERJ6GEYJ153	M 15KOHM,J,1/10W
R1105	ERJ6GEYJ203	M 20KOHM,J,1/10W
R1106	ERJ6GEYJ101	M 100OHM,J,1/10W
R1107	ERD25TJ332	C 3.3KOHM,J,1/4W (Saudi Arabia)
R1108	ERD25TJ472	C 4.7KOHM,J,1/4W (Saudi Arabia)
R1109	ERJ6GEYJ101	M 100OHM,J,1/10W
R1111	ERJ6GEYJ101	M 100OHM,J,1/10W
R1113	ERJ6GEYJ101	M 100OHM,J,1/10W
R1115	ERJ6GEYJ223	M 22KOHM,J,1/10W
R1116	ERJ6GEYJ101	M 100OHM,J,1/10W
R1117	ERJ6GEYJ101	M 100OHM,J,1/10W
R1118	ERJ6GEYJ333	M 33KOHM,J,1/10W
R1120	ERJ6ENF1002	M 10KOHM, 1/10W
R1121	ERJ6ENF1002	M 10KOHM, 1/10W
R1122	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1123	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1124	ERJ6ENF3301	M 3.3KOHM, 1/10W
R1125	ERJ6ENF4701	M 4.7KOHM, 1/10W
R1126	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1127	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1130	ERJ6GEYJ101	M 100OHM,J,1/10W
R1131	ERJ6GEYJ333	M 33KOHM,J,1/10W
R1132	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1133	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1134	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1135	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1136	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1137	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1138	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1139	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1140	ERJ6GEYJ101	M 100OHM,J,1/10W
R1141	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R1143	ERD25TJ562	C 5.6KOHM, J,1/4W (Singapore)
R1144	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1145	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R1146	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R1147	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1148	ERJ6GEYJ393	M 39KOHM,J,1/10W

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Ref.No.	Part No.	Description
R1150	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R1151	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R1152	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1154	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R1155	ERJ6GEYJ183	M 18KOHM,J,1/10W
R1156	ERJ6GEYJ151	M 150OHM,J,1/10W
R1157	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R1158	ERJ6GEYJ101	M 100OHM,J,1/10W
R1159	ERJ6GEYJ101	M 100OHM,J,1/10W
R1160	ERJ6GEYJ101	M 100OHM,J,1/10W
R1161	ERJ6GEYJ101	M 100OHM,J,1/10W
R1162	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1163	ERJ6GEYJ101	M 100OHM,J,1/10W
R1164	ERJ6GEYJ101	M 100OHM,J,1/10W
R1165	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R1166	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R1167	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1168	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1170	ERJ6GEYJ560	M 56OHM,J,1/10W
R1171	ERJ6GEYJ560	M 56OHM,J,1/10W
R1172	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1173	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1175	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1180	ERJ6GEYJ100	M 10OHM,J,1/10W
R1181	ERJ6GEYJ100	M 10OHM,J,1/10W
R1182	ERJ6GEYJ100	M 10OHM,J,1/10W
R1183	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1184	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1185	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1186	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1187	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1188	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1190	ERJ6GEYJ101	M 100OHM,J,1/10W
R1191	ERJ6GEYJ101	M 100OHM,J,1/10W
R1192	ERJ6GEYJ105	M 1MOHM,J,1/10W
R1193	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R1194	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1195	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1196	ERJ6GEYJ104	M 100KOHM,J,1/10W
R2301	ERJ6GEYJ101	M 100OHM,J,1/10W
R2302	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2303	ERJ6GEYJ102	M 1KOHM,J,1/10W
R2305	ERJ6GEYJ333	M 33KOHM,J,1/10W
R2306	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R2307	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R2308	ERJ6GEYJ105	M 1MOHM,J,1/10W
R2309	ERJ6GEYJ221	M 220OHM,J,1/10W
R2310	ERJ6GEYJ221	M 220OHM,J,1/10W
R2315	ERJ6GEYJ103	M 10KOHM,J,1/10W

Ref.No.	Part No.	Description
R2316	ERJ6GEYJ101	M 100OHM,J,1/10W
R2330	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R2331	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R2332	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R2333	ERDS1TJ2R2	C 2.2OHM, J,1/2W
R2334	ERDS1TJ2R2	C 2.2OHM, J,1/2W
R2335	ERQ2CJP1R0S	F 1OHM, J, 2W MTV ⚠
R2340	ERDS1TJ391	C 390OHM, J,1/2W
R2801	ERDS1TJ561	C 560OHM, J,1/2W
R2802	ERDS1TJ561	C 560OHM, J,1/2W
R3001	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3002	ERJ6GEYJ333	M 33KOHM,J,1/10W
R3003	ERJ6GEYJ333	M 33KOHM,J,1/10W
R3004	ERJ6GEYJ331	M 330OHM,J,1/10W
R3006	ERJ6GEYJ123	M 12KOHM, J,1/10W
R3007	ERJ6GEYJ271	M 270OHM,J,1/10W
R3008	ERJ6GEYJ271	M 270OHM,J,1/10W
R3009	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3010	ERJ6GEY0R00	M 0OHM,J,1/10W
R3011	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3012	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3014	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3015	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3016	ERJ6GEYJ101	M 100OHM,J,1/10W
R3017	ERJ6GEYJ331	M 330OHM,J,1/10W
R3018	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3019	ERJ6GEYJ101	M 100OHM,J,1/10W
R3020	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3021	ERJ6GEYJ331	M 330OHM,J,1/10W
R3022	ERJ6GEYJ750	M 75OHM, 1/10W
R3023	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3024	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R3025	ERJ6GEYJ433	M 43KOHM,J,1/10W
R3026	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3027	ERJ6GEYJ272	M 2.7KOHM,J,1/10W
R3028	ERJ6GEYJ561	M 560OHM,J,1/10W
R3029	ERJ6GEYJ101	M 100OHM,J,1/10W
R3032	ERJ6GEYJ911	M 910OHM,J,1/10W
R3033	ERJ6GEYJ821	M 820OHM,J,1/10W
R3034	ERJ6GEY0R00	M 0OHM,J,1/10W
R3035	ERJ6GEYJ123	M 12KOHM, J,1/10W
R3040	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3044	ERJ6GEYJ750	M 75OHM, 1/10W
R3046	ERJ6GEY0R00	M 0OHM,J,1/10W
R3047	ERJ6GEYJ101	M 100OHM,J,1/10W
R3048	ERJ6GEYJ331	M 330OHM,J,1/10W
R3049	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R3050	ERJ6GEYJ101	M 100OHM,J,1/10W
R3051	ERJ6GEYJ101	M 100OHM,J,1/10W

Ref.No.	Part No.	Description
R3052	ERJ6GEYJ471	M 470OHM,J,1/10W
R3053	ERJ6GEYJ221	M 220OHM,J,1/10W
R3055	ERJ6GEYOR00	M 0OHM,J,1/10W
R3056	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R3057	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3058	ERJ6GEYJ821	M 820OHM,J,1/10W
R3059	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3060	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3061	ERJ6GEYJ223	M 22KOHM,J,1/10W
R3062	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3064	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3065	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R3066	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3067	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3068	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3069	ERJ6GEYJ223	M 22KOHM,J,1/10W
R3070	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3071	ERJ6GEYJ104	M 100KOHM,J,1/10W
R3072	ERJ6GEYJ101	M 100OHM,J,1/10W
R3073	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3074	ERJ6GEYJ104	M 100KOHM,J,1/10W
R3075	ERJ6GEYJ101	M 100OHM,J,1/10W
R3076	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3077	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3078	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3079	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3081	ERJ6GEYJ750	M 75OHM, 1/10W
R3082	ERJ6GEYJ750	M 75OHM, 1/10W
R3083	ERJ6GEYJ750	M 75OHM, 1/10W
R3092	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3093	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3094	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3095	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3110	ERDS2TJ472	C 4.7KOHM, J,1/4W
R3151	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3152	ERJ6GEYJ103	M 10KOHM,J,1/10W
	CAPACITORS	
C101	ECA1HM3R3G	E 3.3UF, 50V
C102	ECQV1H154JM	P 0.15UF, J, 50V
C103	ECA1HM2R2G	E 2.2UF, 50V
C104	ECA1HM2R2G	E 2.2UF, 50V
C105	ECA1HM2R2G	E 2.2UF, 50V
C106	ECA1CM470G	E 47UF, 16V
C107	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C108	ECA1HMR47G	E 0.47UF, 50V
C110	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C111	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C112	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C113	ECA1HMR22G	E 0.22UF, 50V

Ref.No.	Part No.	Description
C114	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C116	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C120	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C121	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C122	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C123	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C124	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C130	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C131	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C132	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C133	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C134	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C135	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C136	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C140	ECUX1H561JCX	C 560PF, J, 50V
C141	ECA1HMR47G	E 0.47UF, 50V
C142	ECEA1CN100S	E 10UF, 16V
C143	ECA1HM4R7G	E 4.7UF, 50V
C144	ECA1CM101G	E 100UF, 16V
C150	ECUX1H473ZFX	C 0.047UF, Z, 50V
C151	ECA1CM470G	E 47UF, 16V
C154	ECUX1H820JCX	C 82PF, J, 50V
C155	ECA1CM470G	E 47UF, 16V
C156	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C157	ECUX1H030CRX	C 3PF, C, 50V
C158	ECUX1H180JCX	C 18PF, J, 50V
C159	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C160	ECA1CM330G	E 33UF, 16V
C161	ECA1HMR47G	E 0.47UF, 50V
C162	ECUX1H681JCX	C 680PF, J, 50V
C164	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C165	ECUX1H331JCX	C 330PF, J, 50V
C170	ECA1CM100G	E 10UF, 16V
C180	ECUX1H151JX	C 150PF, J, 50V MTV
C190	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C191	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C201	ECUX1H180JRX	C 18PF, J, 50V
C351	ECKD3D102KBN	C 1000PF, K, 2KV
C352	ECEA1HKN010	E 1UF, 50V
C356	ECEA1HGE100	E 10UF, 50V
C360	ECEA1CKA100	E 10UF, 16V
C362	ECEA2EGE100	E 10UF, 250V
C365	ECQB1H183KF	P 0.018UF, K, 50V
C370	ECCF1H271J	C 270PF, J, 50V
C371	ECCF1H271J	C 270PF, J, 50V
C372	ECCF1H181J	C 180PF, J, 50V
C401	ECKD3A182KBP	C 1800PF, K, 1KV
C402	ECQV1H224JM	P 0.22UF, J, 50V
C403	ECKD2H102KB2	C 1000PF, K,500V

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Ref.No.	Part No.	Description
C404	ECEA1VGE101	E 100UF, 35V
C405	ECEA1VGE102	E 1000UF, 35V
C406	ECQE1224KF	P 0.22UF, K,100V
C407	ECEA1HGE4R7	E 4.7UF, 50V
C408	ECQB1473KF	P 0.047UF, K,100V
C409	ECEA1EGE332	E 3300UF, 25V
C415	ECEA1CGE471	E 470UF, 16V
C416	ECEA1CGE471	E 470UF, 16V
C420	ECQB1H183JF	P 0.018UF, J, 50V MTV
C421	ECSF1EE105V	T 1UF, 25V MTV
C422	ECSF1EE225V	T 2.2UF, 25V
C425	ECEA1HFS010	E 1UF, 50V
C430	ECEA1AGE330	E 33UF, 10V
C480	ECA1HM2R2G	E 2.2UF, 50V
C481	ECQV1H334JM	P 0.33UF, J, 50V
C482	ECUX1H152ZFX	C 1500PF, Z, 50V
C501	ECEA2CNR47S	E 0.47UF, 160V
C502	ECEA2EU100	E 10UF, 250V
C503	ECKD2H821KB2	C 820PF, K,500V
C504	ECKD2H821KB2	C 820PF, K,500V
C505	ECKD2H471KB2	C 470PF, K,500V
C506	ECKD2H471KB2	C 470PF, K,500V
C507	ECEA1VGE102	E 1000UF, 35V
C508	ECEA1EGE471	E 470UF, 25V
C509	ECKD2H331KB2	C 330PF, K,500V
C510	ECA1EM101G	E 100UF, 25V
C511	ECEA1HGE010	E 1UF, 50V
C520	ECEA1JGE100	E 10UF, 63V
C540	ECKD2H222KB2	C 2200PF, K,500V
C541	ECKD2H222KB2	C 2200PF, K,500V
C550	ECQM4333JZ	P 0.033UF, 400V
C552	ECKD3D222JBP	C 2200PF, J, 2KV MTV
C553	ECWH12H153JS	P 0.015UF,J,1.2KV
C555	ECKD3D102JBN	C 1000PF, J, 2KV
C556	ECKD3D272JBP	C 2700PF, J, 2KV MTV
C557	ECKD3D681JBN	C 680PF, J, 2KV
C558	ECQB1H223JF	P 0.022UF, J, 50V
C559	ECWF2H514JNB	P 0.51UF, J,200V MTV
C560	TAC7A2D564JC	P 0.56UF, J,200V
C561	ECQM4472JZ	P 4700PF, J,400V MTV
C570	ECA1HM100G	E 10UF, 50V
C571	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C580	ECA1HM0R1G	E 0.1UF, 50V
C581	ECUX1H680JCX	C 68PF, J, 50V
C582	ECQB1H183KF	P 0.018UF, K, 50V
C583	ECA1CM100G	E 10UF, 16V
C584	ECA1CM221G	E 220UF, 16V
C585	ECUX1H221JUX	C 220PF, J, 50V
C586	ECQB1H103KF	P 0.01UF, K, 50V

Ref.No.	Part No.	Description
C588	ECQB1H223KF	P 0.022UF, K, 50V
C589	ECUX1H681KBX	C 680PF, K, 50V
C601	ECQB1H223JF	P 0.022UF, J, 50V
C602	ECQB1H223JF	P 0.022UF, J, 50V
C603	ECQB1H223JF	P 0.022UF, J, 50V
C604	ECEA50ZR47	E 0.47UF, 50V
C605	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C606	ECQB1H223JF	P 0.022UF, J, 50V
C607	ECEA1HN2R2U	E 2.2UF, 50V
C608	ECUX1H120JUX	C 12PF, J, 50V
C609	ECUX1H150JUX	C 15PF, J, 50V
C610	ECA1CM100G	E 10UF, 16V
C613	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C614	ECA1CM221G	E 220UF, 16V
C630	ECUX1H100DCX	C 10PF, D, 50V
C631	ECA1HM4R7G	E 4.7UF, 50V
C632	ECA0JM101G	E 100UF, 6.3V
C633	ECQB1H473JF	P 0.047UF, J, 50V
C634	ECA1HM100G	E 10UF, 50V
C640	ECUX1H330JCX	C 33PF, J, 50V MTV
C641	ECUX1H330JCX	C 33PF, J, 50V MTV
C642	ECUX1H330JCX	C 33PF, J, 50V MTV
C651	ECA1AM470G	E 47UF, 10V
C652	ECQB1H223KF	P 0.022UF, K, 50V
C655	ECQV1H104JM	P 0.1UF, J, 50V
C656	ECQV1H224JM	P 0.22UF, J, 50V
C657	ECA1HM0R1G	E 0.1UF, 50V
C661	ECUX1H390JCX	C 39PF, J, 50V
C671	ECA0JM101G	E 100UF, 6.3V
C672	ECQB1H223KF	P 0.022UF, K, 50V
C673	ECA1HM0R1G	E 0.1UF, 50V
C674	ECA1HM0R1G	E 0.1UF, 50V
C676	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C677	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C702	ECQB1H473JF	P 0.047UF, J, 50V
C710	ECEA1HW4R7S	E 4.7UF, 50V
C712	ECCF1H101J	C 100PF, J, 50V
C801	ECQU2A224MN	P 0.22UF, M,250V ⚠
C802	ECQU2A224MN	P 0.22UF, M,250V ⚠
C803	ECQU2A104MN	P 0.1UF, M,250V ⚠
C804	ECKDNS221MBJ	C 220PF, M ⚠
C805	ECKDNS151MBJ	C 150PF, M, ⚠
C806	ECKD2H103PU	C 0.01UF, P,500V
C809	ECKD2H472PU	C 4700PF, P,500V
C810	ECKD2H472PU	C 4700PF, P,500V
C811	ECKD2H472PU	C 4700PF, P,500V
C812	ECKD2H472PU	C 4700PF, P,500V
C817	ECOS2EP561CB	E 560UF, 250V

Ref.No.	Part No.	Description
C818	ECOS2EP561CB	E 560UF, 250V
C820	ECKD3D222KBP	C 2200PF, K, 2KV
C822	ECKD2H152KB2	C 1500PF, K,500V
C823	ECQV1H154JM	P 0.15UF, J, 50V
C824	ECQV1H823JZ	P 0.082UF, J, 50V
C825	ECQB1H473JF	P 0.047UF, J, 50V
C826	ECA1HM010G	E 1UF, 50V
C828	ECA1HM470G	E 47UF, 50V
C829	ECKD2H122KB2	C 1200PF, K,500V
C830	ECQB1H183JF	P 0.018UF, J, 50V MTV
C831	ECKF1H103ZF	C 0.01UF, Z, 50V
C832	ECQB1H473JF	P 0.047UF, J, 50V
C845	ECQB1H473JF	P 0.047UF, J, 50V
C848	ECKD3A122KBP	C 1200PF, K, 1KV MTV
C849	ECA1HM101G	E 100UF, 50V
C850	ECA1EM102G	E 1000UF, 25V
C851	ECA1CM471G	E 470UF, 16V
C852	ECOS2CA471BB	E 470UF, 160V
C853	TACDF227P160	E 220UF, 160V MTV
C854	ECA1EM222G	E 2200UF, 25V
C855	ECKD2H221KB2	C 220PF, K,500V
C856	ECKD3A122KBP	C 1200PF, K, 1KV MTV
C857	ECKD2H391KB2	C 390PF, K,500V
C858	ECKD2H221KB2	C 220PF, K,500V
C860	ECKDNS222MEJ	C 2200PF, M, ⚠
C865	ECEA2GGE4R7	E 4.7UF, 400V
C866	ECQV1H104JM	P 0.1UF, J, 50V
C867	ECQE2A473MW	P 0.047UF, M,250V
C868	ECA1EM100B	E 10UF, 25V MTV
C880	ECA1CM471G	E 470UF, 16V
C881	ECEA1CGE101	E 100UF, 16V
C885	ECEA1EGE101	E 100UF, 25V
C886	ECA1CM101G	E 100UF, 16V
C887	ECA1AM101G	E 100UF, 10V
C888	ECEA0JGE101	E 100UF, 6.3V MTV
C1051	ECCF1H101J	C 100PF, J, 50V
C1052	ECKF1H103ZF	C 0.01UF, Z, 50V
C1053	ECA1CM470G	E 47UF, 16V
C1101	ECA1HM0R1G	E 0.1UF, 50V
C1102	ECUX1H471JCX	C 470PF, J, 50V
C1103	ECA1CM101G	E 100UF, 16V
C1104	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1105	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1106	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1107	ECA1HM010G	E 1UF, 50V
C1108	ECUX1H181JCX	C 180PF, J, 50V
C1141	ECUX1H681KBX	C 680PF, K, 50V
C1142	ECUX1H101JCX	C 100PF, J, 50V
C1150	ECUX1H820JCX	C 82PF, J, 50V

Ref.No.	Part No.	Description
C1151	ECUX1H221JCX	C 220PF, J, 50V MTV
C1162	ECA1CM471G	E 470UF, 16V
C1163	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1164	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1165	ECA1CM220G	E 22UF, 16V
C1166	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1170	ECUX1H101JCX	C 100PF, J, 50V
C1171	ECUX1H101JCX	C 100PF, J, 50V
C1172	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1173	ECA1CM100G	E 10UF, 16V
C1180	ECA1HM330G	E 33UF, 50V
C1181	ECQV1H474JM	P 0.47UF, J, 50V
C1182	ECQV1H334JM	P 0.33UF, J, 50V
C1185	ECA1CM470G	E 47UF, 16V
C1190	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1192	ECQB1H223KF	P 0.022UF, K, 50V
C2301	ECEA1HN2R2U	E 2.2UF, 50V
C2302	ECA1HM0R1G	E 0.1UF, 50V
C2303	ECUX1H472ZFX	C 4700PF, J, 50V
C2304	ECA1CM100G	E 10UF, 16V
C2305	ECA1CM100G	E 10UF, 16V
C2306	ECA1CM100G	E 10UF, 16V
C2307	ECA1CM100G	E 10UF, 16V
C2309	ECA1CM100G	E 10UF, 16V
C2311	ECA1EM101G	E 100UF, 25V
C2312	ECA1HM010G	E 1UF, 50V
C2313	ECA1EM470G	E 47UF, 25V
C2315	ECEA1CN100U	E 10UF, 16V
C2317	ECA1HM0R1G	E 0.1UF, 50V
C2318	ECQV1H104JM	P 0.1UF, J, 50V
C2319	ECA1CM470G	E 47UF, 16V
C2320	ECUX1H472KBX	C 4700PF, K, 50V
C2321	ECA1HM0R1G	E 0.1UF, 50V
C2322	ECA1CM470G	E 47UF, 16V
C2323	ECEA1HN2R2U	E 2.2UF, 50V
C2330	ECA1HM3R3G	E 3.3UF, 50V
C2331	ECA1HM010G	E 1UF, 50V
C2332	ECA1HM010G	E 1UF, 50V
C2333	ECA1CM101G	E 100UF, 16V
C2334	ECQB1H473KF	P 0.047UF, K, 50V
C2335	ECA1EM470G	E 47UF, 25V
C2336	ECA1EM102G	E 1000UF, 25V
C2337	ECA1EM222G	E 2200UF, 25V
C2338	ECA1EM470G	E 47UF, 25V
C2339	ECQB1H473KF	P 0.047UF, K, 50V
C2340	ECA1EM102G	E 1000UF, 25V
C2341	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2342	ECA1CM100G	E 10UF, 16V
C2343	ECUX1H153KBX	C 0.015UF, K, 50V

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Ref.No.	Part No.	Description
C2344	ECUX1H153KBX	C 0.015UF, K, 50V
C3001	ECA1CM100G	E 10UF, 16V
C3002	ECA1CM220G	E 22UF, 16V
C3003	ECA1CM220G	E 22UF, 16V
C3004	ECEA1CN100S	E 10UF, 16V
C3015	ECUX1H102KBX	C 1000PF, K, 50V
C3016	ECEA1HN010U	E 1UF, 50V
C3017	ECA1CM100G	E 10UF, 16V
C3018	ECA1CM470G	E 47UF, 16V
C3019	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C3020	ECA1CFQ121	E 120UF, 16V
C3021	ECA1EM471G	E 470UF, 25V
C3023	ECUX1H102KBX	C 1000PF, K, 50V
C3024	ECEA1HN010U	E 1UF, 50V
C3026	ECEA1CN100S	E 10UF, 16V
C3027	ECEA1CN100S	E 10UF, 16V
C3028	ECUX1H101JCX	C 100PF, J, 50V
C3029	ECUX1H390JCX	C 39PF, J, 50V
C3041	ECA1CM100G	E 10UF, 16V
C3050	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C3051	ECEA1CN100S	E 10UF, 16V
C3055	ECUX1H101JCX	C 100PF, J, 50V
C3060	ECA1CM100G	E 10UF, 16V
C3070	ECA1HM010G	E 1UF, 50V
C3071	ECA1HM010G	E 1UF, 50V
C3072	ECUX1H682KBX	C 6800PF, K, 50V MTV
C3073	ECA1HMR47G	E 0.47UF, 50V
C3074	ECUX1H682KBX	C 6800PF, K, 50V MTV
C3075	ECA1HMR47G	E 0.47UF, 50V
C3092	ECUX1H102KBX	C 1000PF, K, 50V
C3093	ECA1HM010G	E 1UF, 50V
C3094	ECUX1H102KBX	C 1000PF, K, 50V
C3095	ECA1HM010G	E 1UF, 50V
C3101	ECA1HM100G	E 10UF, 50V
	COILS	
L101	TLT082K991K	PEAKING COIL 8.2U
L120	TLXR56MD01	PEAKING COIL MTV
L121	TLT082K991K	PEAKING COIL 8.2U
L130	TLT082K991K	PEAKING COIL 8.2U
L131	TLT082K991K	PEAKING COIL 8.2U
L155	EQV7EN206B	INDUCTOR COIL
L180	TLT100K991K	PEAKING COIL 10U
L181	TLT100K991K	PEAKING COIL 10U
L182	TLT150K991K	PEAKING COIL 15U
L183	TLT150K991K	PEAKING COIL 15U
L184	TLT270K991K	PEAKING COIL 27U
L351	TSK1002	COIL
L361	EXCELSA35T	BEAD CORE MTV
L415	TLT101K991K	PEAKING COIL 100U

Ref.No.	Part No.	Description
L501	EXCELSA35T	BEAD CORE MTV
L553	EXCELSA35T	BEAD CORE MTV
L555	TLH15696T	LINEARITY COIL
L556	ELC08D055	COIL
L613	TLUABTA100	PEAKING COIL MTV
L614	TLUABTA100	PEAKING COIL MTV
L615	TLUABTA100	PEAKING COIL MTV
L630	TLT100K991K	PEAKING COIL 10U
L660	TLT220K991K	PEAKING COIL 22U
L710	TLH15733M	COIL
L801	ELF18D656X	LINE FILTER ⚠
L802	ELF18D656X	LINE FILTER ⚠
L805	TSC925-4	CHOKE COIL
L806	TSC925-4	CHOKE COIL
L820	EXCELSA35T	BEAD CORE MTV
L850	T8RHB-H820K	COIL MTV
L851	EXCELSR35S	BEAD CORE MTV
L852	EXCELSR35S	BEAD CORE MTV
L1101	EXCELDR25V	CORE
L1140	TLUABTA100	PEAKING COIL MTV
L1150	TLUABTA100	PEAKING COIL MTV
L1151	TLUABTA100	PEAKING COIL MTV
L1152	TLUABTA100	PEAKING COIL MTV
L1155	TLT100K991K	PEAKING COIL 10U
L1160	TLT100K991K	PEAKING COIL 10U
L1162	TLUABTA100	PEAKING COIL MTV
L1170	ERD25TJ470	C 470HM, J, 1/4W
L2330	EXCELSA35T	BEAD CORE MTV
L2803	EXCELSA35T	BEAD CORE MTV
L3015	EXCELDR25V	CORE
	TRANSFORMERS	
T501	KFT4AA028F	FLYBACK TRANSFORMER ⚠
T550	ETH19Y70AY	H DRIVE TRANS
T801	TLP4GA003K	SWITCHING TRANSFO MTV ⚠
	DIODES	
D337	MTZJ6.8A	ZENER DIODE
D351	MA165	DIODE
D353	MA165	DIODE
D355	MA165	DIODE
D357	MA165	DIODE
D360	MA4062L	DIODE
D401	ERA15-01	DIODE
D402	MTZJ39A	ZENER DIODE
D421	MA29W-A	DIODE
D422	MA29W-A	DIODE
D501	TVSEU2	DIODE
D502	TVSEU2	DIODE
D503	TVSRU2AM	DIODE
D505	TVSEU2	DIODE

Ref.No.	Part No.	Description	
D508	D1NL20UV70	DIODE	MTV
D509	MA4108J	DIODE	
D520	MTZJ36D	ZENER DIODE	
D521	TVSEU2	DIODE	
D523	MA165	DIODE	
D524	MTZJ4.7C	ZENER DIODE	
D551	ERD07-15	DIODE	
D552	TVSRU3AN	DIODE	
D553	MA182	DIODE	
D610	MA165	DIODE	
D611	MTZJ15C	ZENER DIODE	
D651	MTZJ8.2C	ZENER DIODE	
D652	MA167	DIODE	
D710	MA29W-A	DIODE	
D711	MA29W-A	DIODE	
D713	MA29W-A	DIODE	
D801	TAP4GA0001	POSISTOR	
D803	D4SB80Z	DIODE	
D819	MA4110M	DIODE	
D820	D1NL20UV70	DIODE	MTV
D821	MTZJ8.2C	ZENER DIODE	
D822	D1NL20UV70	DIODE	MTV
D823	D1NL20UV70	DIODE	MTV
D824	PC123F2	DIODE	⚠
D825	D1NL20UV70	DIODE	MTV
D826	D1NL20UV70	DIODE	MTV
D830	MTZJ9.1C	ZENER DIODE	
D831	MTZJ4.7B	ZENER DIODE	
D835	D1NL20UV70	DIODE	MTV
D836	MTZJ2.4B	ZENER DIODE	
D844	D1NL20UV70	DIODE	MTV
D845	D1NL20UV70	DIODE	MTV
D846	MTZJ6.8C	ZENER DIODE	
D850	S3L20U	DIODE	
D851	D1NL20UV70	DIODE	MTV
D852	S3L60	DIODE	
D853	S3L20U	DIODE	
D854	D1NL20UV70	DIODE	MTV
D855	MTZJ51	ZENER DIODE	
D856	TVSSR2KS	DIODE	
D857	D1NL20UV70	DIODE	MTV
D865	EM1C	DIODE	
D880	EU02	DIODE	
D1051	EL333ID-F45R	LED	MTV
D1130	MA165	DIODE	
D1140	MA165	DIODE	
D1170	MTZJ6.8C	ZENER DIODE	
D1171	MTZJ6.8C	ZENER DIODE	
D2301	MA165	DIODE	

Ref.No.	Part No.	Description	
D2302	MA165	DIODE	
D2330	MTZJ5.1A	ZENER DIODE	
D2341	MA165	DIODE	
D3015	MTZJ18C	ZENER DIODE	
D3064	MA4082H	DIODE	
	INTEGRATED CIRCUITS		
IC101	M52760SP	LINEAR IC	
IC102	TVSUPD4066BC	C-MOS LOGIC IC	
IC201	M52317SP	LINEAR IC	MTV
IC401	LA7833S	LINEAR IC	
IC402	TA8859P	IC	
IC601	AN5693K	LINEAR IC	MTV
IC602	TDA8395P	LINEAR IC	MTV
IC603	TDA4665	LINEAR IC	
IC802	HA17555	LINEAR IC	
IC803	SE140N	IC	
IC865	MK1210	HYBRID IC	
IC880	AN7805	LINEAR IC	
IC881	UPC7812AHF	IC	MTV
IC882	AN7809	LINEAR IC	
IC883	AN7805	LINEAR IC	
IC1051	GP1U282Q	REMOCON RECEIVER	
IC1101	MN1871675T7M	MOS IC	MTV
IC1102	24C04AIPA21	MOS IC (EEPROM 4K	
IC1103	MN1280R	IC (MOS IC)	
IC1104	TVSUPD4066BC	C-MOS LOGIC IC	
IC1105	AN5071	LINEAR IC	
IC2301	CXA2021S	LINEAR IC	
IC2302	AN7124	LINEAR IC	MTV
IC3001	M51321P	LINEAR IC	
IC3003	TC4066BFN	IC	MTV
IC3004	TC4066BFN	IC	MTV
	TRANSISTORS		
Q101	2SC945AQR-T	TRANSISTOR	MTV
Q102	2SC2188	TRANSISTOR	
Q103	2SC945AQR-T	TRANSISTOR	MTV
Q104	2SC1047	TRANSISTOR	
Q140	2SC945AQR-T	TRANSISTOR	MTV
Q150	2SC945AQR-T	TRANSISTOR	MTV
Q151	2SC945AQR-T	TRANSISTOR	MTV
Q160	2SC945AQR-T	TRANSISTOR	MTV
Q351	2SC3063	TRANSISTOR	
Q352	2SC3063	TRANSISTOR	
Q353	2SC3063	TRANSISTOR	
Q354	2SC1685-Q	TRANSISTOR	
Q355	2SC1685-Q	TRANSISTOR	
Q356	2SC1685-Q	TRANSISTOR	
Q360	2SB1011	TRANSISTOR	
Q361	2SB1011	TRANSISTOR	

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Ref.No.	Part No.	Description	
Q362	2SB1011	TRANSISTOR	
Q363	2SA564QR	TRANSISTOR	MTV
Q433	2SA564A-R	TRANSISTOR	
Q440	2SC945AQR-T	TRANSISTOR	MTV
Q441	2SA564A-R	TRANSISTOR	
Q442	2SC945AQR-T	TRANSISTOR	MTV
Q520	2SA564A-R	TRANSISTOR	
Q550	2SC2653HLB	TRANSISTOR	
Q551	2SD1556	TRANSISTOR	
Q651	2SC945AQR-T	TRANSISTOR	MTV
Q710	2SD1499	TRANSISTOR	
Q711	2SA564A-R	TRANSISTOR	
Q712	2SA564A-R	TRANSISTOR	
Q801	2SC4581	TRANSISTOR	
Q802	2SD1207	TRANSISTOR	
Q807	2SA684	TRANSISTOR	
Q808	2SC1815	TRANSISTOR	
Q809	2SC1815	TRANSISTOR	
Q810	2SC3940A	TRANSISTOR	
Q845	2SC1815	TRANSISTOR	
Q846	2SC1815	TRANSISTOR	
Q847	2SA1859	TRANSISTOR	
Q1130	2SC945AQR-T	TRANSISTOR	MTV
Q1131	2SC945AQR-T	TRANSISTOR	MTV
Q1132	2SA564A-R	TRANSISTOR	
Q1133	2SC945AQR-T	TRANSISTOR	MTV
Q1140	2SC945AQR-T	TRANSISTOR	MTV
Q1180	2SC945AQR-T	TRANSISTOR	MTV
Q1190	2SC945AQR-T	TRANSISTOR	MTV
Q2301	2SC945AQR-T	TRANSISTOR	MTV
Q2303	2SA564A-R	TRANSISTOR	
Q3001	2SD601ATX	TRANSISTOR	MTV
Q3002	2SD601ATX	TRANSISTOR	MTV
Q3003	2SD601ATX	TRANSISTOR	MTV
Q3004	2SD601ATX	TRANSISTOR	MTV
Q3005	2SC1685-Q	TRANSISTOR	
Q3006	2SD601ATX	TRANSISTOR	MTV
Q3008	2SD601ATX	TRANSISTOR	MTV
Q3009	2SD601ATX	TRANSISTOR	MTV
Q3010	2SD601ATX	TRANSISTOR	MTV
Q3011	2SD601ATX	TRANSISTOR	MTV
Q3013	2SD601ATX	TRANSISTOR	MTV
Q3015	2SD601ATX	TRANSISTOR	MTV
Q3016	2SD601ATX	TRANSISTOR	MTV
	OTHERS		
E.16	TJS3A9640	3P CONNECTOR	
E.17	TJS3A8980	24P CONNECTOR	
E.22	T1DX04PB2	CONNECTOR	MTV
E.32	TJS3A9660	CONNECTOR	MTV

Ref.No.	Part No.	Description	
E.33	T1DX04PB2	CONNECTOR	MTV
E.35	TJSF00216	16P CONNECTOR	
E.38	TJS5A8130	CONNECTOR	MTV
E.39	TJS5A8130	CONNECTOR	MTV
F801	XBA2C40TR0	FUSE 250V 4A	⚠
H.16	TJS1A8090	PHONO PIN	
H.17	TJS3A8990	24P CONNECTOR	
J.79	ERJ6GEY0R00	M 0OHM,J,1/10W	
J.80	ERJ6GEY0R00	M 0OHM,J,1/10W	
JK351	TJS1A5210	CRT SOCKET	
JK3001	TJB4G609-1	REAR AV TERMINAL	MTV
JS1102	ERD25V0R00	C OOHM, 1/4W	
JS1103	ERD25V0R00	C OOHM, 1/4W	
JS1160	ERD25V0R00	C OOHM, 1/4W	
JS3092	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3093	ERJ6GEY0R00	M 0OHM,J,1/10W	
P.1	TJS4G403	4P CONNECTOR	
P.35	TJSF00316	16P CONNECTOR	
R.1	TJS4G404	4P CONNECTOR	
S801	ESB91232A	SWITCH	⚠
S1101	EVQ21405R	SWITCH	
S1102	EVQ21405R	SWITCH	
S1103	EVQ21405R	SWITCH	
S1104	EVQ21405R	SWITCH	
S1105	EVQ21405R	SWITCH	
S1106	EVQ21405R	SWITCH	
S1107	EVQ21405R	SWITCH	
TNR1	TNVC04B01	TUNER	MTV ⚠
X101	K6267K	SAW FILTER	MTV
X102	K9351M	SAW FILTER	MTV
X180	EFCS5M7MW3	CERAMIC FILTER	
X181	EFCS6R0MW5	CERAMIC FILTER	
X182	EFCS6R5MW5	CERAMIC FILTER	
X183	EFCS4R5MW5	CERAMIC FILTER	
X201	CSB1000J527	CRYSTAL OSC	MTV
X202	SFSH6R0MDB	CERAMIC FILTER	MTV
X203	EFCS6R5MS5	CERAMIC FILTER	
X204	EFCS5R5MS5	CERAMIC FILTER	
X205	EFCS4R5MS5	FILTER	
X580	CSB500F48	CRYSTAL OSC	MTV
X601	TS116M20	CRYSTAL OSC	MTV
X602	TS816M32	CRYSTAL OSC	MTV
X1160	EF0EC1205B4	CERAMIC RESONATOR	
X.38	TJS3A9140	CONNECTOR	
X.39	TJS3A9140	CONNECTOR	
Y.32	TJS3A9660	CONNECTOR	MTV
Y.33	TJS3A9650	CONNECTOR	MTV

Replacement Parts List

Ref.No.	Part No.	Description
	RESISTORS	
R101	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R102	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R111	ERJ6GEYJ184	M 180KOHM,J,1/10W
R112	ERJ6GEYJ123	M 12KOHM,J,1/10W
R113	ERJ6GEYJ473	M 47KOHM,J,1/10W
R114	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R115	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R116	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R117	ERJ6GEYJ682	M 6.8KOHM,J,1/10W
R118	ERJ6GEYJ103	M 10KOHM,J,1/10W
R119	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R120	ERJ6GEYJ680	M 68OHM,J,1/10W
R121	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R122	ERJ6GEYJ470	M 47OHM,J,1/10W
R123	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R124	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R130	ERJ6GEYJ391	M 390OHM,J,1/10W
R131	ERJ6GEYJ471	M 470OHM,J,1/10W
R132	ERJ6GEYJ121	M 120OHM,J,1/10W
R133	ERJ6GEYJ470	M 47OHM,J,1/10W
R134	ERJ6GEYJ103	M 10KOHM,J,1/10W
R135	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R136	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R137	ERJ6GEYJ103	M 10KOHM,J,1/10W
R138	ERJ6GEYJ102	M 1KOHM,J,1/10W
R140	ERJ6GEYJ272	M 2.7KOHM,J,1/10W
R141	ERJ6GEYJ473	M 47KOHM,J,1/10W
R142	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R143	ERJ6GEYJ154	M 150KOHM,J,1/10W
R144	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R145	ERJ6GEYJ221	M 220OHM,J,1/10W
R152	ERJ6GEYJ102	M 1KOHM,J,1/10W
R154	ERJ6GEYJ331	M 330OHM,J,1/10W
R155	ERJ6GEYJ101	M 100OHM,J,1/10W
R156	ERJ6GEYJ103	M 10KOHM,J,1/10W
R157	ERJ6GEYJ223	M 22KOHM,J,1/10W
R158	ERJ6GEYJ102	M 1KOHM,J,1/10W
R160	ERJ6GEYJ184	M 180KOHM,J,1/10W
R161	ERJ6GEYJ680	M 68OHM,J,1/10W
R163	ERJ6GEYJ331	M 330OHM,J,1/10W
R164	ERJ6GEYJ270	M 27OHM,J,1/10W
R165	ERJ6GEYJ151	M 150OHM,J,1/10W
R166	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R167	ERJ6GEYJ273	M 27KOHM,J,1/10W
R170	ERJ6GEYJ273	M 27KOHM,J,1/10W
R171	ERJ6GEYJ113	M 11KOHM,J,1/10W

Ref.No.	Part No.	Description
R172	ERJ6GEYJ103	M 10KOHM,J,1/10W
R173	ERJ6GEYJ273	M 27KOHM,J,1/10W
R174	ERJ6GEYJ103	M 10KOHM,J,1/10W
R175	ERJ6GEYJ273	M 27KOHM,J,1/10W
R176	ERJ6GEYJ823	M 82KOHM,J,1/10W
R177	ERJ6GEYJ104	M 100KOHM,J,1/10W
R180	ERJ6GEYJ271	M 270OHM,J,1/10W
R181	ERJ6GEYJ331	M 330OHM,J,1/10W
R182	ERJ6GEYJ331	M 330OHM,J,1/10W
R183	ERJ6GEYJ561	M 560OHM,J,1/10W
R191	ERJ6GEYJ123	M 12KOHM,J,1/10W
R192	ERJ6GEYJ123	M 12KOHM,J,1/10W
R193	ERJ6GEYJ101	M 100OHM,J,1/10W
R194	ERJ6GEYJ101	M 100OHM,J,1/10W
R201	ERJ6GEYJ471	M 470OHM,J,1/10W
R202	ERJ6GEYJ471	M 470OHM,J,1/10W
R203	ERJ6GEYJ471	M 470OHM,J,1/10W
R204	ERJ6GEYJ471	M 470OHM,J,1/10W
R205	ERJ6GEYJ471	M 470OHM,J,1/10W
R351	ER0S2CKF1500	M 150OHM, F,1/4W
R352	ER0S2CKF1500	M 150OHM, F,1/4W
R353	ER0S2CKF1500	M 150OHM, F,1/4W
R357	ERDS2TJ221	C 220OHM, J,1/4W
R358	ERDS2TJ221	C 220OHM, J,1/4W
R359	ERDS2TJ221	C 220OHM, J,1/4W
R360	ER0S2CKF1500	M 150OHM, F,1/4W
R361	ER0S2CKF1500	M 150OHM, F,1/4W
R362	ER0S2CKF1500	M 150OHM, F,1/4W
R367	ERDS2TJ221	C 220OHM, J,1/4W
R368	ERDS2TJ221	C 220OHM, J,1/4W
R369	ERDS2TJ221	C 220OHM, J,1/4W
R370	ERDS2TJ101	C 100OHM, J,1/4W
R371	ER0S2CKF5600	M 560OHM, F,1/4W
R372	ER0S2CKF5600	M 560OHM, F,1/4W
R373	ER0S2CKF5600	M 560OHM, F,1/4W
R374	ERG2FJS183D	M 18KOHM, J, 2W
R375	ERG2FJS183D	M 18KOHM, J, 2W
R376	ERG2FJS183D	M 18KOHM, J, 2W
R377	ERG2FJS183D	M 18KOHM, J, 2W
R378	ERG2FJS183D	M 18KOHM, J, 2W
R379	ERG2FJS183D	M 18KOHM, J, 2W
R380	ERG2FJS183D	M 18KOHM, J, 2W
R381	ERG2FJS183D	M 18KOHM, J, 2W
R382	ERG2FJS183D	M 18KOHM, J, 2W
R389	ERD50FJ102	C 1KOHM, J,1/2W
R390	ERD50FJ102	C 1KOHM, J,1/2W
R391	ERD50FJ102	C 1KOHM, J,1/2W

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Ref.No.	Part No.	Description
R392	ERDS1TJ394	C 390KOHM, J,1/2W
R393	ERG2FJS121D	M 120OHM, J, 2W
R394	ERQ12AJ101	F 100OHM, J,1/2W ⚠
R395	ERDS2TJ392	C 3.9KOHM, J,1/4W
R397	ERDS2TJ561	C 560OHM, J,1/4W
R398	ERDS2TJ471	C 470OHM, J,1/4W
R399	ERDS2TJ101	C 100OHM, J,1/4W
R401	ERJ6GEYJ184	M 180KOHM,J,1/10W
R402	ERJ6GEYJ183	M 18KOHM,J,1/10W
R403	ERDS1TJ472	C 4.7KOHM, J,1/2W MTV
R404	ER0S2CKF3R00	M 3OHM, F,1/4W
R405	ERJ6GEYJ103	M 10KOHM,J,1/10W
R406	ERG1SJ331P	M 330OHM, J, 1W
R407	ERJ6GEYJ272	M 2.7KOHM,J,1/10W
R408	ERJ6GEYJ473	M 47KOHM,J,1/10W
R409	ER0S2CKF3R00	M 3OHM, F,1/4W
R415	ERJ6GEYJ102	M 1KOHM,J,1/10W
R416	ERJ6GEYJ102	M 1KOHM,J,1/10W
R417	ERJ6GEYJ102	M 1KOHM,J,1/10W
R420	ERJ6GEYJ471	M 470OHM,J,1/10W
R421	ERJ6GEYJ471	M 470OHM,J,1/10W
R422	ERJ6GEYJ101	M 100OHM,J,1/10W
R423	ERJ6GEYJ273	M 27KOHM,J,1/10W
R424	ERJ6GEYJ474	M 470KOHM,J,1/10W
R425	ERJ6GEYJ225	M 2.2MOHM, 1/10W
R433	ERJ6GEYJ103	M 10KOHM,J,1/10W
R434	ERDS1FJ1R0	C 1OHM, J,1/2W
R435	ERJ6GEYJ823	M 82KOHM,J,1/10W
R440	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R441	ERJ6GEYJ223	M 22KOHM,J,1/10W
R442	ERJ6GEYJ473	M 47KOHM,J,1/10W
R443	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R444	ERJ6GEYJ821	M 820OHM,J,1/10W
R445	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R480	ERJ6GEYJ221	M 220OHM,J,1/10W
R481	ERJ6GEYJ684	M 680KOHM,J,1/10W
R482	ERJ6GEYJ155	M 1.5MOHM,J,1/10W
R483	ERJ6GEYJ274	M 270KOHM,J,1/10W
R485	ERJ6GEYJ681	M 680OHM,J,1/10W
R486	ERJ6GEYJ271	M 270OHM,J,1/10W
R501	ERQ14AJ2R0P	F 2.0OHM, J,1/4W ⚠
R502	ERDS1TJ105	C 1MOHM, J,1/2W
R503	ERQ1CJPR82S	F 0.82OHM, J, 1W MTV ⚠
R504	ERQ12HJ1R0	F 1OHM, J,1/2W ⚠
R509	ERJ6GEYJ223	M 22KOHM,J,1/10W
R510	ERQ14AJ100P	F 10OHM, J,1/4W ⚠
R511	ERJ6ENF1372	M13.7KOHM, 1/10W MTV
R512	ERJ6ENF1472	M14.7KOHM, 1/10W MTV
R513	ERJ6GEYJ223	M 22KOHM,J,1/10W

Ref.No.	Part No.	Description
R514	ER025CKF1273	M 127KOHM, F,1/4W MTV
R515	ERJ6GEYJ223	M 22KOHM,J,1/10W
R516	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R517	ERJ6GEYJ683	M 68KOHM,J,1/10W
R519	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R520	ERJ6GEYJ101	M 100OHM,J,1/10W
R522	ERJ6GEYJ334	M 330KOHM,J,1/10W
R523	ERJ6GEYJ683	M 68KOHM,J,1/10W
R524	ERJ6GEYJ183	M 18KOHM,J,1/10W
R525	ERJ6GEYJ103	M 10KOHM,J,1/10W
R526	ERJ6GEYJ104	M 100KOHM,J,1/10W
R540	ERG3SJ392H	M 3.9KOHM, J, 3W
R541	ERF7ZJ102	W 1KOHM, J, 7W
R543	ERJ6GEYJ101	M 100OHM,J,1/10W
R544	ERJ6GEYJ221	M 220OHM,J,1/10W
R550	ERG3SJ123H	M 12KOHM, J, 3W
R551	ERQ2CJP102S	F 1KOHM, J, 2W ⚠
R552	ERQ1CJ820	F 82OHM, J, 1W ⚠
R571	ERJ6GEYJ561	M 560OHM,J,1/10W
R580	ERJ6GEYJ104	M 100KOHM,J,1/10W
R581	ERJ6GEYJ105	M 1MOHM,J,1/10W
R582	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R583	ERDS1TJ331	C 330OHM, J,1/2W
R585	ERJ6GEYJ105	M 1MOHM,J,1/10W
R588	ERJ6GEYJ334	M 330KOHM,J,1/10W
R590	ERJ6GEYJ561	M 560OHM,J,1/10W
R601	ERJ6GEYJ153	M 15KOHM,J,1/10W
R602	ERJ6GEYJ153	M 15KOHM,J,1/10W
R603	ERJ6GEYJ155	M 1.5MOHM,J,1/10W
R610	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R611	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R612	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R613	ERJ6GEYJ331	M 330OHM,J,1/10W
R614	ERJ6GEYJ331	M 330OHM,J,1/10W
R615	ERJ6GEYJ331	M 330OHM,J,1/10W
R619	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R620	ERJ6GEYJ911	M 910OHM,J,1/10W
R621	ERJ6GEYJ911	M 910OHM,J,1/10W
R622	ERJ6GEYJ911	M 910OHM,J,1/10W
R623	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R628	ERJ6GEYJ103	M 10KOHM,J,1/10W
R629	ERJ6GEYJ103	M 10KOHM,J,1/10W
R630	ERJ6GEYJ154	M 150KOHM,J,1/10W
R631	ERJ6GEYJ824	M 820KOHM,J,1/10W
R652	ERQ14AJ470P	F 47OHM, J,1/4W ⚠
R653	ERJ6GEYJ104	M 100KOHM,J,1/10W
R654	ERJ6GEYJ273	M 27KOHM,J,1/10W
R655	ERJ6GEYJ153	M 15KOHM,J,1/10W
R662	ERJ6GEYJ393	M 39KOHM,J,1/10W

Ref.No.	Part No.	Description
R663	ERJ6GEYJ102	M 1KOHM,J,1/10W
R664	ERJ6GEYJ391	M 390OHM,J,1/10W
R665	ERJ6GEYJ821	M 820OHM,J,1/10W
R701	ERJ6GEYJ104	M 100KOHM,J,1/10W
R702	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R703	ERJ6GEYJ104	M 100KOHM,J,1/10W
R704	ERD25TJ102	C 1KOHM, J,1/4W
R710	ERQ2CJP100S	F 10OHM, J, 2W ⚠
R711	ERDS2TJ472	C 4.7KOHM, J,1/4W
R712	ERDS2TJ681	C 680OHM, J,1/4W
R713	ERDS2TJ392	C 3.9KOHM, J,1/4W
R715	ERDS2TJ221	C 220OHM, J,1/4W
R716	ERF10ZK2R2	W 2.2OHM, K, 10W
R801	ERF10ZK1R5	W 1.5OHM, 10W
R812	ERG2ANJ104H	M 100KOHM, J, 2W
R813	ERG2ANJ104H	M 100KOHM, J, 2W
R814	ERDS1TJ224	C 220KOHM, J,1/2W
R815	ERDS1TJ224	C 220KOHM, J,1/2W
R816	ERDS1FJ203	C 20KOHM, J,1/2W
R820	ERX3ANJ4R7H	M 4.7OHM, J, 3W MTV
R821	ERG3ANJ390H	M 39OHM, J, 3W
R822	ERDS2TJ152	C 1.5KOHM, J,1/4W
R823	ERDS2TJ821	C 820OHM, J,1/4W
R824	ERDS2TJ152	C 1.5KOHM, J,1/4W
R825	ERD25FJ1R0	C 1OHM, J,1/4W
R829	ERG2ANJ222H	M 2.2KOHM, J, 2W
R830	ERG1ANJ472H	M 4.7KOHM, J, 1W
R831	ERDS2TJ102	C 1KOHM, J,1/4W
R832	ERG1ANJ472H	M 4.7KOHM, J, 1W
R833	ERDS2TJ472	C 4.7KOHM, J,1/4W
R834	ERDS2TJ102	C 1KOHM, J,1/4W
R835	ERDS2TJ102	C 1KOHM, J,1/4W
R836	ERDS2TJ272	C 2.7KOHM, J,1/4W
R837	ERDS2TJ821	C 820OHM, J,1/4W
R838	ERDS1TJ151	C 150OHM, J,1/2W
R839	ERDS2TJ102	C 1KOHM, J,1/4W
R840	ERDS2TJ102	C 1KOHM, J,1/4W
R844	ERQ16NK1R0E	F 1.0OHM, 1/6W ⚠
R845	ERDS1TJ302	C 3KOHM, J,1/2W
R846	ERG1SJ472P	M 4.7KOHM, 1W
R847	ERQ16NK1R0E	F 1.0OHM, 1/6W ⚠
R848	ERDS2TJ102	C 1KOHM, J,1/4W
R849	ERDS1TJ201	C 200OHM, J,1/2W
R850	ERDS2TJ472	C 4.7KOHM, J,1/4W
R851	ERDS2TJ103	C 10KOHM, J,1/4W
R852	ERD25TJ472	C 4.7KOHM, J,1/4W
R853	ERQ12HKR82	F 0.82OHM, K,1/2W ⚠
R855	ERQ1CKPR47S	F 0.47OHM, K, 1W MTV ⚠

Ref.No.	Part No.	Description
R856	ERD25FJ1R0	C 1OHM, J,1/4W
R860	ERD75TAJ825	C 8.2MOHM, J,3/4W
R865	ERW2PJ150P	W 15OHM, J, 2W
R866	ERG3SJ270H	M 27OHM, J, 3W
R880	ERQ12HJ8R2	F 8.2OHM, J,1/2W ⚠
R1051	ERDS2TJ102	C 1KOHM, J,1/4W
R1052	ERDS2TJ821	C 820OHM, J,1/4W
R1053	ERDS2TJ470	C 47OHM, J,1/4W
R1101	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1102	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1103	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R1104	ERJ6GEYJ153	M 15KOHM,J,1/10W
R1105	ERJ6GEYJ203	M 20KOHM,J,1/10W
R1106	ERJ6GEYJ101	M 100OHM,J,1/10W
R1107	ERD25TJ332	C 3.9KOHM, J,1/4W
R1108	ERD25TJ472	C 3.3KOHM, J,1/4W
R1109	ERJ6GEYJ101	M 100OHM,J,1/10W
R1111	ERJ6GEYJ101	M 100OHM,J,1/10W
R1113	ERJ6GEYJ101	M 100OHM,J,1/10W
R1115	ERJ6GEYJ223	M 22KOHM,J,1/10W
R1116	ERJ6GEYJ101	M 100OHM,J,1/10W
R1117	ERJ6GEYJ101	M 100OHM,J,1/10W
R1118	ERJ6GEYJ333	M 33KOHM,J,1/10W
R1120	ERJ6ENF1002	M 10KOHM, 1/10W
R1121	ERJ6ENF1002	M 10KOHM, 1/10W
R1122	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1123	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1124	ERJ6ENF3301	M 3.3KOHM, 1/10W
R1125	ERJ6ENF4701	M 4.7KOHM, 1/10W
R1126	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1127	ERJ6ENF2201	M 2.2KOHM, 1/10W
R1130	ERJ6GEYJ101	M 100OHM,J,1/10W
R1131	ERJ6GEYJ333	M 33KOHM,J,1/10W
R1132	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1133	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1134	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1135	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1136	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1137	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1138	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1139	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1140	ERJ6GEYJ101	M 100OHM,J,1/10W
R1141	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R1144	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1145	ERJ6GEYJ182	M 1.8KOHM,J,1/10W
R1147	ERJ6GEYJ104	M 100KOHM,J,1/10W
R1148	ERJ6GEYJ393	M 39KOHM,J,1/10W
R1150	ERJ6GEYJ392	M 3.9KOHM,J,1/10W

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Ref.No.	Part No.	Description
R1151	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R1152	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1154	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R1155	ERJ6GEYJ183	M 18KOHM,J,1/10W
R1156	ERJ6GEYJ151	M 150OHM,J,1/10W
R1157	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R1158	ERJ6GEYJ101	M 100OHM,J,1/10W
R1159	ERJ6GEYJ101	M 100OHM,J,1/10W
R1160	ERJ6GEYJ101	M 100OHM,J,1/10W
R1161	ERJ6GEYJ101	M 100OHM,J,1/10W
R1162	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1163	ERJ6GEYJ101	M 100OHM,J,1/10W
R1164	ERJ6GEYJ101	M 100OHM,J,1/10W
R1165	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R1166	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R1167	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1168	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1170	ERJ6GEYJ560	M 56OHM,J,1/10W
R1171	ERJ6GEYJ560	M 56OHM,J,1/10W
R1172	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1173	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R1175	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1180	ERJ6GEYJ100	M 10OHM,J,1/10W
R1181	ERJ6GEYJ100	M 10OHM,J,1/10W
R1182	ERJ6GEYJ100	M 10OHM,J,1/10W
R1183	ERJ6GEYJ123	M 12KOHM,J,1/10W
R1184	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1185	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1186	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1187	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1188	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1190	ERJ6GEYJ101	M 100OHM,J,1/10W
R1191	ERJ6GEYJ101	M 100OHM,J,1/10W
R1192	ERJ6GEYJ105	M 1MOHM,J,1/10W
R1193	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R1194	ERJ6GEYJ103	M 10KOHM,J,1/10W
R1195	ERJ6GEYJ102	M 1KOHM,J,1/10W
R1196	ERJ6GEYJ104	M 100KOHM,J,1/10W
R2001	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2002	ERJ6GEYJ101	M 100OHM,J,1/10W
R2004	ERJ6GEYJ101	M 100OHM,J,1/10W
R2005	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R2006	ERJ6GEYJ104	M 100KOHM,J,1/10W
R2010	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R2011	ERJ6GEYJ394	M 390KOHM,J,1/10W
R2012	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2013	ERJ6GEY0R00	M 0OHM,J,1/10W
R2014	ERJ6GEY0R00	M 0OHM,J,1/10W
R2015	ERJ6GEYJ562	M 5.6KOHM,J,1/10W

Ref.No.	Part No.	Description
R2016	ERJ6GEYJ563	M 56KOHM,J,1/10W MTV
R2017	ERJ6GEYJ394	M 390KOHM,J,1/10W
R2018	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2019	ERJ6GEY0R00	M 0OHM,J,1/10W
R2020	ERJ6GEY0R00	M 0OHM,J,1/10W
R2021	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R2022	ERJ6GEYJ105	M 1MOHM,J,1/10W
R2023	ERJ6GEYJ105	M 1MOHM,J,1/10W
R2030	ERJ6GEYJ102	M 1KOHM,J,1/10W
R2031	ERJ6GEYJ101	M 100OHM,J,1/10W
R2032	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2033	ERJ6GEYJ105	M 1MOHM,J,1/10W
R2034	ERJ6GEYJ224	M 220KOHM,J,1/10W
R2035	ERJ6GEYJ101	M 100OHM,J,1/10W
R2036	ERJ6GEYJ101	M 100OHM,J,1/10W
R2037	ERJ6GEYJ681	M 680OHM,J,1/10W
R2038	ERJ6GEYJ681	M 680OHM,J,1/10W
R2039	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2041	ERJ6GEYJ223	M 22KOHM,J,1/10W
R2052	ERJ6GEY0R00	M 0OHM,J,1/10W
R2053	ERJ6GEY0R00	M 0OHM,J,1/10W
R2054	ERJ6GEY0R00	M 0OHM,J,1/10W
R2055	ERJ6GEY0R00	M 0OHM,J,1/10W
R2201	ERJ6GEYJ471	M 470OHM,J,1/10W
R2202	ERJ6GEYJ471	M 470OHM,J,1/10W
R2203	ERQ14AJ100P	F 10OHM, J,1/4W ⚠
R2205	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2206	ERJ6GEYJ333	M 33KOHM,J,1/10W
R2215	ERJ6GEYJ101	M 100OHM,J,1/10W
R2216	ERJ6GEYJ101	M 100OHM,J,1/10W
R2217	EVND4AA03B14	CONTROL 10KOHMB MTV
R2218	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R2301	ERJ6GEYJ101	M 100OHM,J,1/10W
R2302	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2303	ERJ6GEYJ102	M 1KOHM,J,1/10W
R2305	ERJ6GEYJ333	M 33KOHM,J,1/10W
R2306	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R2307	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R2308	ERJ6GEYJ105	M 1MOHM,J,1/10W
R2309	ERJ6GEYJ221	M 220OHM,J,1/10W
R2310	ERJ6GEYJ221	M 220OHM,J,1/10W
R2315	ERJ6GEYJ103	M 10KOHM,J,1/10W
R2316	ERJ6GEYJ101	M 100OHM,J,1/10W
R2330	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R2331	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R2332	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R2333	ERDS1TJ2R2	C 2.2OHM, J,1/2W
R2334	ERDS1TJ2R2	C 2.2OHM, J,1/2W
R2335	ERQ2CJP1R0S	F 1OHM, J, 2W MTV ⚠

Ref.No.	Part No.	Description
R2340	ERDS1TJ391	C 390OHM, J,1/2W
R2801	ERDS1TJ561	C 560OHM, J,1/2W
R2802	ERDS1TJ561	C 560OHM, J,1/2W
R3001	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3002	ERJ6GEYJ333	M 33KOHM,J,1/10W
R3003	ERJ6GEYJ333	M 33KOHM,J,1/10W
R3004	ERJ6GEYJ331	M 330OHM,J,1/10W
R3006	ERJ6GEYJ123	M 12KOHM, J,1/10W
R3007	ERJ6GEYJ271	M 270OHM,J,1/10W
R3008	ERJ6GEYJ271	M 270OHM,J,1/10W
R3009	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3010	ERJ6GEY0R00	M 0OHM,J,1/10W
R3011	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3012	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3014	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3015	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3016	ERJ6GEYJ101	M 100OHM,J,1/10W
R3017	ERJ6GEYJ331	M 330OHM,J,1/10W
R3018	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3019	ERJ6GEYJ101	M 100OHM,J,1/10W
R3020	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3021	ERJ6GEYJ331	M 330OHM,J,1/10W
R3022	ERJ6GEYJ750	M 75OHM, 1/10W
R3023	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3024	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R3025	ERJ6GEYJ433	M 43KOHM,J,1/10W
R3026	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3027	ERJ6GEYJ272	M 2.7KOHM,J,1/10W
R3028	ERJ6GEYJ561	M 560OHM,J,1/10W
R3029	ERJ6GEYJ101	M 100OHM,J,1/10W
R3032	ERJ6GEYJ911	M 910OHM,J,1/10W
R3033	ERJ6GEYJ821	M 820OHM,J,1/10W
R3034	ERJ6GEY0R00	M 0OHM,J,1/10W
R3035	ERJ6GEYJ123	M 12KOHM, J,1/10W
R3040	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3044	ERJ6GEYJ750	M 75OHM, 1/10W
R3046	ERJ6GEY0R00	M 0OHM,J,1/10W
R3047	ERJ6GEYJ101	M 100OHM,J,1/10W
R3048	ERJ6GEYJ331	M 330OHM,J,1/10W
R3049	ERJ6GEYJ122	M 1.2KOHM,J,1/10W
R3050	ERJ6GEYJ101	M 100OHM,J,1/10W
R3051	ERJ6GEYJ101	M 100OHM,J,1/10W
R3052	ERJ6GEYJ471	M 470OHM,J,1/10W
R3053	ERJ6GEYJ221	M 220OHM,J,1/10W
R3055	ERJ6GEY0R00	M 0OHM,J,1/10W
R3056	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R3057	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3058	ERJ6GEYJ821	M 820OHM,J,1/10W
R3059	ERJ6GEYJ103	M 10KOHM,J,1/10W

Ref.No.	Part No.	Description
R3060	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3061	ERJ6GEYJ223	M 22KOHM,J,1/10W
R3062	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3064	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3065	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R3066	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3067	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3068	ERJ6GEYJ154	M 150KOHM,J,1/10W
R3069	ERJ6GEYJ223	M 22KOHM,J,1/10W
R3070	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3071	ERJ6GEYJ104	M 100KOHM,J,1/10W
R3072	ERJ6GEYJ101	M 100OHM,J,1/10W
R3073	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3074	ERJ6GEYJ104	M 100KOHM,J,1/10W
R3075	ERJ6GEYJ101	M 100OHM,J,1/10W
R3076	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3077	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3078	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3079	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3081	ERJ6GEYJ750	M 75OHM, 1/10W
R3082	ERJ6GEYJ750	M 75OHM, 1/10W
R3083	ERJ6GEYJ750	M 75OHM, 1/10W
R3092	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3093	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3094	ERJ6GEYJ184	M 180KOHM,J,1/10W
R3095	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3110	ERDS2TJ472	C 4.7KOHM, J,1/4W
R3151	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3152	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3501	ERJ6GEY0R00	M 0OHM,J,1/10W
R3502	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3503	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R3504	ERJ6GEY0R00	M 0OHM,J,1/10W
R3505	ERJ6GEYJ271	M 270OHM,J,1/10W
R3506	ERJ6GEYJ271	M 270OHM,J,1/10W
R3507	ERJ6GEY0R00	M 0OHM,J,1/10W
R3508	ERJ6GEY0R00	M 0OHM,J,1/10W
R3510	ERJ6GEY0R00	M 0OHM,J,1/10W
R3512	ERJ6GEY0R00	M 0OHM,J,1/10W
R3516	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3517	ERJ6GEY0R00	M 0OHM,J,1/10W
R3518	ERJ6GEY0R00	M 0OHM,J,1/10W
R3521	ERJ6GEYJ153	M 15KOHM,J,1/10W
R3522	ERJ6GEYJ101	M 100OHM,J,1/10W
R3523	ERJ6GEYJ101	M 100OHM,J,1/10W
R3524	ERJ6GEYJ332	M 3.3KOHM,J,1/10W
R3525	ERJ6GEYJ470	M 47OHM,J,1/10W
R3526	ERJ6GEYJ470	M 47OHM,J,1/10W
R3527	ERJ6GEYJ470	M 47OHM,J,1/10W

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Ref.No.	Part No.	Description
R3529	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R3534	ERJ6GEYJ181	M 180OHM,J,1/10W
R3535	ERJ6GEYJ181	M 180OHM,J,1/10W
R3536	ERJ6GEYJ181	M 180OHM,J,1/10W
R3537	ERJ6GEYJ102	M 1KOHM,J,1/10W
R3538	ERJ6GEYJ681	M 680OHM,J,1/10W
R3539	ERJ6GEY0R00	M 0OHM,J,1/10W
R3540	ERJ6GEY0R00	M 0OHM,J,1/10W
R3541	ERJ6GEY0R00	M 0OHM,J,1/10W
R3542	ERJ6GEY0R00	M 0OHM,J,1/10W
R3543	ERJ6GEY0R00	M 0OHM,J,1/10W
R3546	ERJ6GEYJ101	M 100OHM,J,1/10W
R3547	ERJ6GEYJ101	M 100OHM,J,1/10W
R3548	ERJ6GEYJ101	M 100OHM,J,1/10W
R3549	ERJ6GEYJ101	M 100OHM,J,1/10W
R3550	ERJ6GEYJ101	M 100OHM,J,1/10W
R3551	ERJ6GEYJ101	M 100OHM,J,1/10W
R3552	ERJ6GEYJ101	M 100OHM,J,1/10W
R3553	ERJ6GEYJ221	M 220OHM,J,1/10W
R3554	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3555	ERJ6GEYJ153	M 15KOHM,J,1/10W
R3556	ERJ6GEYJ223	M 22KOHM,J,1/10W
R3557	ERJ6GEYJ561	M 560OHM,J,1/10W
R3558	ERJ6GEYJ392	M 3.9KOHM,J,1/10W
R3559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R3560	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R3561	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3562	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R3563	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R3564	ERJ6GEYJ561	M 560OHM,J,1/10W
R3565	ERJ6GEYJ682	M 6.8KOHM,J,1/10W
R3571	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3572	ERJ6GEYJ103	M 10KOHM,J,1/10W
R3515-2	EVNDCAA03B24	CONTROL 20KOHMB MTV
	CAPACITORS	
C101	ECA1HM3R3G	E 3.3UF, 50V
C102	ECQV1H154JM	P 0.15UF, J, 50V
C103	ECA1HM2R2G	E 2.2UF, 50V
C104	ECA1HM2R2G	E 2.2UF, 50V
C105	ECA1HM2R2G	E 2.2UF, 50V
C106	ECA1CM470G	E 47UF, 16V
C107	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C108	ECA1HMR47G	E 0.47UF, 50V
C110	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C111	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C112	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C113	ECA1HMR22G	E 0.22UF, 50V
C114	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C116	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV

Ref.No.	Part No.	Description
C120	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C121	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C122	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C123	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C124	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C130	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C131	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C132	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C133	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C134	ECUX1H103ZFX	C 0.01UF, Z, 50 MTV
C135	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C136	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C140	ECUX1H470JCX	C 47PF, J, 50V
C141	ECA1HMR47G	E 0.47UF, 50V
C142	ECEA1CN100S	E 10UF, 16V
C143	ECA1HM4R7G	E 4.7UF, 50V
C144	ECA1CM101G	E 100UF, 16V
C150	ECUX1H473ZFX	C 0.047UF, Z, 50V
C151	ECA1CM470G	E 47UF, 16V
C154	ECUX1H820JCX	C 82PF, J, 50V
C155	ECA1CM470G	E 47UF, 16V
C156	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C157	ECUX1H030CRX	C 3PF, C, 50V
C158	ECUX1H180JCX	C 18PF, J, 50V
C159	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C160	ECA1CM330G	E 33UF, 16V
C161	ECA1HMR47G	E 0.47UF, 50V
C162	ECUX1H681JCX	C 680PF, J, 50V
C164	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C165	ECUX1H331JCX	C 330PF, J, 50V
C170	ECA1CM100G	E 10UF, 16V
C180	ECUX1H151JX	C 150PF, J, 50V MTV
C190	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C191	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C201	ECUX1H180JRX	C 18PF, J, 50V
C351	ECKD3D102KBN	C 1000PF, K, 2KV
C352	ECEA1HKN010	E 1UF, 50V
C356	ECEA1HGE100	E 10UF, 50V
C360	ECEA1CKA100	E 10UF, 16V
C362	ECEA2EGE100	E 10UF, 250V
C365	ECQB1H183KF	P 0.018UF, K, 50V
C370	ECCF1H271J	C 270PF, J, 50V
C371	ECCF1H271J	C 270PF, J, 50V
C372	ECCF1H181J	C 180PF, J, 50V
C401	ECKD3A182KBP	C 1800PF, K, 1KV
C402	ECQV1H224JM	P 0.22UF, J, 50V
C403	ECKD2H102KB2	C 1000PF, K,500V
C404	ECEA1VGE101	E 100UF, 35V
C405	ECEA1VGE102	E 1000UF, 35V

Ref.No.	Part No.	Description
C406	ECQE1224KF	P 0.22UF, K,100V
C407	ECEA1HGE4R7	E 4.7UF, 50V
C408	ECQB1473KF	P 0.047UF, K,100V
C409	ECEA1EGE332	E 3300UF, 25V
C415	ECEA1CGE471	E 470UF, 16V
C416	ECEA1CGE471	E 470UF, 16V
C420	ECQB1H183JF	P 0.018UF, J, 50V MTV
C421	ECSF1EE105V	T 1UF, 25V MTV
C422	ECSF1EE225V	T 2.2UF, 25V
C425	ECEA1HFS010	E 1UF, 50V
C430	ECEA1AGE330	E 33UF, 10V
C480	ECA1HM2R2G	E 2.2UF, 50V
C481	ECQV1H334JM	P 0.33UF, J, 50V
C482	ECUX1H152ZFX	C 1500PF, Z, 50V
C501	ECEA2CNR47S	E 0.47UF, 160V
C502	ECEA2EU100	E 10UF, 250V
C503	ECKD2H821KB2	C 820PF, K,500V
C504	ECKD2H821KB2	C 820PF, K,500V
C505	ECKD2H471KB2	C 470PF, K,500V
C506	ECKD2H471KB2	C 470PF, K,500V
C507	ECEA1VGE102	E 1000UF, 35V
C508	ECEA1EGE471	E 470UF, 25V
C509	ECKD2H331KB2	C 330PF, K,500V
C510	ECA1EM101G	E 100UF, 25V
C511	ECEA1HGE010	E 1UF, 50V
C520	ECEA1JGE100	E 10UF, 63V
C540	ECKD2H222KB2	C 2200PF, K,500V
C541	ECKD2H222KB2	C 2200PF, K,500V
C550	ECQM4333JZ	P 0.033UF, 400V
C552	ECKD3D222JBP	C 2200PF, J, 2KV MTV
C553	ECWH12H153JS	P 0.015UF,J,1.2KV
C555	ECKD3D102JBN	C 1000PF, J, 2KV
C556	ECKD3D272JBP	C 2700PF, J, 2KV MTV
C557	ECKD3D681JBN	C 680PF, J, 2KV
C558	ECQB1H223JF	P 0.022UF, J, 50V
C559	ECWF2H514JNB	P 0.51UF, J,200V MTV
C560	TAC7A2D564JC	P 0.56UF, J,200V
C561	ECQM4472JZ	P 4700PF, J,400V MTV
C570	ECA1HM100G	E 10UF, 50V
C571	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C580	ECA1HM0R1G	E 0.1UF, 50V
C581	ECUX1H680JCX	C 68PF, J, 50V
C582	ECQB1H183KF	P 0.018UF, K, 50V
C583	ECA1CM100G	E 10UF, 16V
C584	ECA1CM221G	E 220UF, 16V
C585	ECUX1H221JUX	C 220PF, J, 50V
C586	ECQB1H103KF	P 0.01UF, K, 50V
C588	ECQB1H223KF	P 0.022UF, K, 50V
C589	ECUX1H681KBX	C 680PF, K, 50V

Ref.No.	Part No.	Description
C601	ECQB1H223JF	P 0.022UF, J, 50V
C602	ECQB1H223JF	P 0.022UF, J, 50V
C603	ECQB1H223JF	P 0.022UF, J, 50V
C604	ECEA50ZR47	E 0.47UF, 50V
C605	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C606	ECQB1H223JF	P 0.022UF, J, 50V
C607	ECEA1HN2R2U	E 2.2UF, 50V
C608	ECUX1H120JUX	C 12PF, J, 50V
C609	ECUX1H150JUX	C 15PF, J, 50V
C610	ECA1CM100G	E 10UF, 16V
C613	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C614	ECA1CM221G	E 220UF, 16V
C630	ECUX1H100DCX	C 10PF, D, 50V
C631	ECA1HM4R7G	E 4.7UF, 50V
C632	ECA0JM101G	E 100UF, 6.3V
C633	ECQB1H473JF	P 0.047UF, J, 50V
C634	ECA1HM100G	E 10UF, 50V
C640	ECUX1H330JCX	C 33PF, J, 50V MTV
C641	ECUX1H330JCX	C 33PF, J, 50V MTV
C642	ECUX1H330JCX	C 33PF, J, 50V MTV
C651	ECA1AM470G	E 47UF, 10V
C652	ECQB1H223KF	P 0.022UF, K, 50V
C655	ECQV1H104JM	P 0.1UF, J, 50V
C656	ECQV1H224JM	P 0.22UF, J, 50V
C657	ECA1HM0R1G	E 0.1UF, 50V
C661	ECUX1H390JCX	C 39PF, J, 50V
C671	ECA0JM101G	E 100UF, 6.3V
C672	ECQB1H223KF	P 0.022UF, K, 50V
C673	ECA1HM0R1G	E 0.1UF, 50V
C674	ECA1HM0R1G	E 0.1UF, 50V
C676	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C677	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C702	ECQB1H473JF	P 0.047UF, J, 50V
C710	ECEA1HW4R7S	E 4.7UF, 50V
C712	ECCF1H101J	C 100PF, J, 50V
C801	ECQU2A224MN	P 0.22UF, M,250V ⚠
C802	ECQU2A224MN	P 0.22UF, M,250V ⚠
C803	ECQU2A104MN	P 0.1UF, M,250V ⚠
C804	ECKDNS221MBJ	C 220PF, M ⚠
C805	ECKDNS151MBJ	C 150PF, M, ⚠
C806	ECKD2H103PU	C 0.01UF, P,500V
C809	ECKD2H472PU	C 4700PF, P,500V
C810	ECKD2H472PU	C 4700PF, P,500V
C811	ECKD2H472PU	C 4700PF, P,500V
C812	ECKD2H472PU	C 4700PF, P,500V
C817	EC0S2EP561CB	E 560UF, 250V
C818	EC0S2EP561CB	E 560UF, 250V
C820	ECKD3D222KBP	C 2200PF, K, 2KV

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Ref.No.	Part No.	Description
C823	ECQV1H154JM	P 0.15UF, J, 50V
C824	ECQV1H823JZ	P 0.082UF, J, 50V
C825	ECQB1H473JF	P 0.047UF, J, 50V
C826	ECA1HM010G	E 1UF, 50V
C828	ECA1HM470G	E 47UF, 50V
C829	ECKD2H122KB2	C 1200PF, K,500V
C830	ECQB1H183JF	P 0.018UF, J, 50V MTV
C831	ECKF1H103ZF	C 0.01UF, Z, 50V
C832	ECQB1H473JF	P 0.047UF, J, 50V
C845	ECQB1H473JF	P 0.047UF, J, 50V
C848	ECKD3A122KBP	C 1200PF, K, 1KV MTV
C849	ECA1HM101G	E 100UF, 50V
C850	ECA1EM102G	E 1000UF, 25V
C851	ECA1CM471G	E 470UF, 16V
C852	EC0S2CA471BB	E 470UF, 160V
C853	TACDF227P160	E 220UF, 160V MTV
C854	ECA1EM222G	E 2200UF, 25V
C855	ECKD2H221KB2	C 220PF, K,500V
C856	ECKD3A122KBP	C 1200PF, K, 1KV MTV
C857	ECKD2H391KB2	C 390PF, K,500V
C858	ECKD2H221KB2	C 220PF, K,500V
C860	ECKDNS222MEJ	C 2200PF, M,
C865	ECEA2GGE4R7	E 4.7UF, 400V
C866	ECQV1H104JM	P 0.1UF, J, 50V
C867	ECQE2A473MW	P 0.047UF, M,250V
C868	ECA1EM100B	E 10UF, 25V MTV
C880	ECA1CM471G	E 470UF, 16V
C881	ECEA1CGE101	E 100UF, 16V
C885	ECEA1EGE101	E 100UF, 25V
C886	ECA1CM101G	E 100UF, 16V
C887	ECA1AM101G	E 100UF, 10V
C888	ECEA0JGE101	E 100UF, 6.3V MTV
C1051	ECCF1H101J	C 100PF, J, 50V
C1052	ECKF1H103ZF	C 0.01UF, Z, 50V
C1053	ECA1CM470G	E 47UF, 16V
C1101	ECA1HM0R1G	E 0.1UF, 50V
C1102	ECUX1H471JCX	C 470PF, J, 50V
C1103	ECA1CM101G	E 100UF, 16V
C1104	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1105	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1106	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1107	ECA1HM010G	E 1UF, 50V
C1108	ECUX1H181JCX	C 180PF, J, 50V
C1141	ECUX1H681KBX	C 680PF, K, 50V
C1142	ECUX1H101JCX	C 100PF, J, 50V
C1150	ECUX1H820JCX	C 82PF, J, 50V
C1151	ECUX1H221JCX	C 220PF, J, 50V MTV
C1162	ECA1CM471G	E 470UF, 16V
C1163	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV

Ref.No.	Part No.	Description
C1164	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1165	ECA1CM220G	E 22UF, 16V
C1166	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1170	ECUX1H101JCX	C 100PF, J, 50V
C1171	ECUX1H101JCX	C 100PF, J, 50V
C1172	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1173	ECA1CM100G	E 10UF, 16V
C1180	ECA1HM330G	E 33UF, 50V
C1181	ECQV1H474JM	P 0.47UF, J, 50V
C1182	ECQV1H334JM	P 0.33UF, J, 50V
C1185	ECA1CM470G	E 47UF, 16V
C1190	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C1192	ECQB1H223KF	P 0.022UF, K, 50V
C2001	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2002	ECA1AM101G	E 100UF, 10V
C2003	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2004	ECA1CM470G	E 47UF, 16V
C2005	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2006	ECA1CM470G	E 47UF, 16V
C2007	ECUX1H101JCX	C 100PF, J, 50V
C2008	ECEA1CN100S	E 10UF, 16V
C2009	ECUX1H101JCX	C 100PF, J, 50V
C2010	ECEA1CN100S	E 10UF, 16V
C2011	ECUX1H102KBX	C 1000PF, K, 50V
C2012	ECA1CM470G	E 47UF, 16V
C2015	ECUX1H680JCX	C 68PF, J, 50V
C2016	ECA1CM100G	E 10UF, 16V
C2017	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2018	ECUX1H102KBX	C 1000PF, K, 50V
C2019	ECA1CM470G	E 47UF, 16V
C2022	ECUX1H680JCX	C 68PF, J, 50V
C2023	ECQB1H473KF	P 0.047UF, K, 50V
C2024	ECA1CM100G	E 10UF, 16V
C2025	ECA1CM470G	E 47UF, 16V
C2026	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2030	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2031	ECA1CM100G	E 10UF, 16V
C2032	ECUX1H100DCX	C 10PF, D, 50V
C2033	ECUX1H391JCX	C 390PF, J, 50V
C2034	ECA1CM100G	E 10UF, 16V
C2035	ECUX1H221JRX	C 220PF, J, 50V
C2036	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2037	ECA1CM100G	E 10UF, 16V
C2038	ECA1HM010G	E 1UF, 50V
C2039	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2040	ECUX1H101JCX	C 100PF, J, 50V
C2041	ECUX1H101JCX	C 100PF, J, 50V
C2042	ECQV1H224JM	P 0.22UF, J, 50V
C2043	ECA1CM470G	E 47UF, 16V

Ref.No.	Part No.	Description
C2044	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2045	ECUX1H101JCX	C 100PF, J, 50V
C2046	ECUX1H101JCX	C 100PF, J, 50V
C2047	ECQV1H334JM	P 0.33UF, J, 50V
C2048	ECQB1H223KF	P 0.022UF, K, 50V
C2053	ECEA1CN100S	E 10UF, 16V
C2055	ECEA1CN100S	E 10UF, 16V
C2056	ECUX1H100DCX	C 10PF, D, 50V
C2201	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2202	ECQV1H104JM	P 0.1UF, J, 50V
C2203	ECQB1H223KF	P 0.022UF, K, 50V
C2204	ECA1CM101G	E 100UF, 16V
C2205	ECUX1H470JRX	C 47PF, J, 50V MTV
C2206	ECUX1H120JCX	C 12PF, J, 50V
C2207	ECUX1H102JCX	C 1000PF, J, 50V
C2208	ECA1HM4R7G	E 4.7UF, 50V
C2209	ECEA1EN4R7U	E 4.7UF, 25V
C2215	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2216	ECA1CM100G	E 10UF, 16V
C2217	ECEA1EN4R7U	E 4.7UF, 25V
C2218	ECEA1CN470S	E 47UF, 16V
C2219	ECEA1CN470S	E 47UF, 16V
C2220	ECQV1H224JM	P 0.22UF, J, 50V
C2301	ECEA1HN2R2U	E 2.2UF, 50V
C2302	ECA1HM0R1G	E 0.1UF, 50V
C2303	ECUX1H472ZFX	C 4700PF, J, 50V
C2304	ECA1CM100G	E 10UF, 16V
C2305	ECA1CM100G	E 10UF, 16V
C2306	ECA1CM100G	E 10UF, 16V
C2307	ECA1CM100G	E 10UF, 16V
C2309	ECA1CM100G	E 10UF, 16V
C2311	ECA1EM101G	E 100UF, 25V
C2312	ECA1HM010G	E 1UF, 50V
C2313	ECA1EM470G	E 47UF, 25V
C2315	ECEA1CN100U	E 10UF, 16V
C2317	ECA1HM0R1G	E 0.1UF, 50V
C2318	ECQV1H104JM	P 0.1UF, J, 50V
C2319	ECA1CM470G	E 47UF, 16V
C2320	ECUX1H472KBX	C 4700PF, K, 50V
C2321	ECA1HM0R1G	E 0.1UF, 50V
C2322	ECA1CM470G	E 47UF, 16V
C2323	ECEA1HN2R2U	E 2.2UF, 50V
C2330	ECA1HM3R3G	E 3.3UF, 50V
C2331	ECA1HM010G	E 1UF, 50V
C2332	ECA1HM010G	E 1UF, 50V
C2333	ECA1CM101G	E 100UF, 16V
C2334	ECQB1H473KF	P 0.047UF, K, 50V
C2335	ECA1EM470G	E 47UF, 25V
C2336	ECA1EM102G	E 1000UF, 25V
C2337	ECA1EM222G	E 2200UF, 25V
C2338	ECA1EM470G	E 47UF, 25V
C2339	ECQB1H473KF	P 0.047UF, K, 50V
C2340	ECA1EM102G	E 1000UF, 25V
C2341	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C2342	ECA1CM100G	E 10UF, 16V
C2343	ECUX1H153KBX	C 0.015UF, K, 50V
C2344	ECUX1H153KBX	C 0.015UF, K, 50V
C3001	ECA1CM100G	E 10UF, 16V
C3002	ECA1CM220G	E 22UF, 16V
C3003	ECA1CM220G	E 22UF, 16V
C3004	ECEA1CN100S	E 10UF, 16V
C3015	ECUX1H102KBX	C 1000PF, K, 50V
C3016	ECEA1HN010U	E 1UF, 50V
C3017	ECA1CM100G	E 10UF, 16V
C3018	ECA1CM470G	E 47UF, 16V
C3019	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C3020	ECA1CFQ121	E 120UF, 16V
C3021	ECA1EM471G	E 470UF, 25V
C3023	ECUX1H102KBX	C 1000PF, K, 50V
C3024	ECEA1HN010U	E 1UF, 50V
C3026	ECEA1CN100S	E 10UF, 16V
C3027	ECEA1CN100S	E 10UF, 16V
C3028	ECUX1H101JCX	C 100PF, J, 50V
C3029	ECUX1H390JCX	C 39PF, J, 50V
C3041	ECA1CM100G	E 10UF, 16V
C3050	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C3051	ECEA1CN100S	E 10UF, 16V
C3055	ECUX1H101JCX	C 100PF, J, 50V
C3060	ECA1CM100G	E 10UF, 16V
C3070	ECA1HM010G	E 1UF, 50V
C3071	ECA1HM010G	E 1UF, 50V
C3072	ECUX1H682KBX	C 6800PF, K, 50V MTV
C3073	ECA1HMR47G	E 0.47UF, 50V
C3074	ECUX1H682KBX	C 6800PF, K, 50V MTV
C3075	ECA1HMR47G	E 0.47UF, 50V
C3092	ECUX1H102KBX	C 1000PF, K, 50V
C3093	ECA1HM010G	E 1UF, 50V
C3094	ECUX1H102KBX	C 1000PF, K, 50V
C3095	ECA1HM010G	E 1UF, 50V
C3101	ECA1HM100G	E 10UF, 50V
C3501	ECA1CM470G	E 47UF, 16V
C3502	ECUX1H104ZFW	C 0.1UF, Z, 50V MTV
C3503	ECUX1H223ZFX	C 0.022UF, Z, 50V
C3504	ECUX1H270JCX	C 27PF, J, 50V
C3505	ECUX1H330JCX	C 33PF, J, 50V MTV
C3506	ECUX1H270JCX	C 27PF, J, 50V
C3507	ECUX1H330JCX	C 33PF, J, 50V MTV
C3513	ECUX1H104ZFW	C 0.1UF, Z, 50V MTV

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Ref.No.	Part No.	Description	
C3514	ECA1CM470G	E 47UF, 16V	
C3518	ECA1HM2R2G	E 2.2UF, 50V	
C3519	ECEA1CN220S	E 22UF, 16V	
C3523	ECUX1H104ZFW	C 0.1UF, Z, 50V	MTV
C3524	ECUX1H103ZFX	C 0.01UF, Z, 50V	MTV
C3526	ECUX1H103ZFX	C 0.01UF, Z, 50V	MTV
C3527	ECA1CM221G	E 220UF, 16V	
C3534	ECA1HM101G	E 100UF, 50V	
C3535	ECUX1H103ZFX	C 0.01UF, Z, 50V	MTV
C3539	ECA1HM100G	E 10UF, 50V	
C3544	ECUX1H103ZFX	C 0.01UF, Z, 50V	MTV
C3545	ECUX1H223ZFX	C 0.022UF, Z, 50V	
C3560	ECA1CM221G	E 220UF, 16V	
C3561	ECUX1H103ZFX	C 0.01UF, Z, 50V	MTV
C3562	ECEA0JKN220	E 22UF, 6.3V	
C3563	ECUX1H470JRX	C 47PF, J, 50V	MTV
	COILS		
L101	TLT082K991K	PEAKING COIL 8.2U	
L120	TLXR56MD01	PEAKING COIL	MTV
L121	TLT082K991K	PEAKING COIL 8.2U	
L130	TLT082K991K	PEAKING COIL 8.2U	
L131	TLT082K991K	PEAKING COIL 8.2U	
L155	EQV7EN206B	INDUCTOR COIL	
L180	TLT100K991K	PEAKING COIL 10U	
L181	TLT100K991K	PEAKING COIL 10U	
L182	TLT150K991K	PEAKING COIL 15U	
L183	TLT150K991K	PEAKING COIL 15U	
L184	TLT270K991K	PEAKING COIL 27U	
L351	TSK1002	COIL	
L361	EXCELSA35T	BEAD CORE	MTV
L415	TLT101K991K	PEAKING COIL 100U	
L501	EXCELSA35T	BEAD CORE	MTV
L553	EXCELSA35T	BEAD CORE	MTV
L555	TLH15696T	LINEARITY COIL	
L556	ELC08D055	COIL	
L613	TLUABTA100	PEAKING COIL	MTV
L614	TLUABTA100	PEAKING COIL	MTV
L615	TLUABTA100	PEAKING COIL	MTV
L630	TLT100K991K	PEAKING COIL 10U	
L660	TLT220K991K	PEAKING COIL 22U	
L710	TLH15733M	COIL	
L801	ELF18D656X	LINE FILTER	⚠
L802	ELF18D656X	LINE FILTER	⚠
L805	TSC925-4	CHOKE COIL	
L806	TSC925-4	CHOKE COIL	
L820	EXCELSA35T	BEAD CORE	MTV
L850	T8RHB-H820K	COIL	MTV
L851	EXCELSR35S	BEAD CORE	MTV

Ref.No.	Part No.	Description	
L1101	EXCELDR25V	CORE	
L1140	TLUABTA100	PEAKING COIL	MTV
L1150	TLUABTA100	PEAKING COIL	MTV
L1151	TLUABTA100	PEAKING COIL	MTV
L1152	TLUABTA100	PEAKING COIL	MTV
L1155	TLT100K991K	PEAKING COIL 10U	
L1160	TLT100K991K	PEAKING COIL 10U	
L1162	TLUABTA100	PEAKING COIL	MTV
L1170	ERD25TJ470	C 470HM, J, 1/4W	
L2001	TLT120K991K	PEAKING COIL 12U	
L2002	TLT120K991K	PEAKING COIL 12U	
L2003	EXCELDR25V	CORE	
L2004	EXCELDR25V	CORE	
L2005	EXCELDR25V	CORE	
L2006	EXCELDR25V	CORE	
L2007	EXCELDR25V	CORE	
L2008	EXCELDR25V	CORE	
L2010	TLT120K991K	PEAKING COIL 12U	
L2030	EXCELDR25V	CORE	
L2031	TLT068K991K	PEAKING COIL 6.8U	
L2032	EXCELDR25V	CORE	
L2033	TLT180K991K	PEAKING COIL 18U	
L2201	EIS7EN036B	COIL	
L2330	EXCELSA35T	BEAD CORE	MTV
L2803	EXCELSA35T	BEAD CORE	MTV
L3015	EXCELDR25V	CORE	
L3501	TLTACC100K	PEAKING COIL 10U	
L3503	TLTACC100K	PEAKING COIL 10U	
L3504	TLTACC100K	PEAKING COIL 10U	
L3505	TLTACC100K	PEAKING COIL 10U	
LC2001	EXCEMT103DTM	CAPACITOR ARRAY	MTV
LC2002	EXCEMT103DTM	CAPACITOR ARRAY	MTV
	TRANSFORMERS		
T501	KFT4AA028F	FLYBACK TRANSFORMER	⚠
T550	ETH19Y70AY	H DRIVE TRANS	
T801	TLP4GA003K	SWITCHING TRANS	MTV ⚠
	DIODES		
D120	MA858	DIODE	
D337	MTZJ6.8A	ZENER DIODE	
D351	MA165	DIODE	
D353	MA165	DIODE	
D355	MA165	DIODE	
D357	MA165	DIODE	
D360	MA4062L	DIODE	
D401	ERA15-01	DIODE	
D402	MTZJ39A	ZENER DIODE	
D421	MA29W-A	DIODE	
D422	MA29W-A	DIODE	

Ref.No.	Part No.	Description	
D502	TVSEU2	DIODE	
D503	TVSRU2AM	DIODE	
D505	TVSEU2	DIODE	
D508	D1NL20UV70	DIODE	MTV
D509	MA4108J	DIODE	
D520	MTZJ36D	ZENER DIODE	
D521	TVSEU2	DIODE	
D523	MA165	DIODE	
D524	MTZJ4.7C	ZENER DIODE	
D551	ERD07-15	DIODE	
D552	TVSRU3AN	DIODE	
D553	MA182	DIODE	
D601	MA165	DIODE	
D610	MA165	DIODE	
D611	MTZJ15C	ZENER DIODE	
D651	MTZJ8.2C	ZENER DIODE	
D652	MA167	DIODE	
D710	MA29W-A	DIODE	
D711	MA29W-A	DIODE	
D713	MA29W-A	DIODE	
D801	TAP4GA0001	POSISTOR	
D803	D4SB80Z	DIODE	
D819	MA4110M	DIODE	
D820	D1NL20UV70	DIODE	MTV
D821	MTZJ8.2C	ZENER DIODE	
D822	D1NL20UV70	DIODE	MTV
D823	D1NL20UV70	DIODE	MTV
D824	PC123F2	DIODE	
D825	D1NL20UV70	DIODE	MTV
D826	D1NL20UV70	DIODE	MTV
D830	MTZJ9.1C	ZENER DIODE	
D831	MTZJ4.7B	ZENER DIODE	
D835	D1NL20UV70	DIODE	MTV
D836	MTZJ2.4B	ZENER DIODE	
D844	D1NL20UV70	DIODE	MTV
D845	D1NL20UV70	DIODE	MTV
D846	MTZJ6.8C	ZENER DIODE	
D850	S3L20U	DIODE	
D851	D1NL20UV70	DIODE	MTV
D852	S3L60	DIODE	
D853	S3L20U	DIODE	
D854	D1NL20UV70	DIODE	MTV
D855	MTZJ51	ZENER DIODE	
D856	TVSSR2KS	DIODE	
D857	D1NL20UV70	DIODE	MTV
D865	EM1C	DIODE	
D880	EU02	DIODE	
D1051	EL333ID-F45R	LED	MTV
D1130	MA165	DIODE	
D1140	MA165	DIODE	
D1170	MTZJ6.8C	ZENER DIODE	
D1171	MTZJ6.8C	ZENER DIODE	
D2030	BB405B	DIODE	
D2031	MA165	DIODE	
D2220	MTZJ16B	ZENER DIODE	
D2301	MA165	DIODE	
D2302	MA165	DIODE	
D2330	MTZJ5.1A	ZENER DIODE	
D2341	MA165	DIODE	
D3015	MTZJ18C	ZENER DIODE	
D3064	MA4082H	DIODE	
D3503	MA165	DIODE	
	INTEGRATED CIRCUITS		
IC101	M52760SP	LINEAR IC	
IC102	TVSUPD4066BC	C-MOS LOGIC IC	
IC201	M52317SP	LINEAR IC	MTV
IC401	LA7833S	LINEAR IC	
IC402	TA8859P	IC	
IC601	AN5693K	LINEAR IC	MTV
IC602	TDA8395P	LINEAR IC	MTV
IC603	TDA4665	LINEAR IC	
IC802	HA17555	LINEAR IC	
IC803	SE140N	IC	
IC865	MK1210	HYBRID IC	
IC880	AN7805	LINEAR IC	
IC881	UPC7812AHF	IC	MTV
IC882	AN7809	LINEAR IC	
IC883	AN7805	LINEAR IC	
IC1051	GP1U282Q	REMOCON RECEIVER	
IC1101	MN1871675T7M	MOS IC	MTV
IC1102	24C04AIPA21	MOS IC (EEPROM 4K	
IC1103	MN1280R	IC (MOS IC)	
IC1104	TVSUPD4066BC	C-MOS LOGIC IC	
IC1105	AN5071	LINEAR IC	
IC2001	SAA7283ZP	MOS IC (LOGIC)	
IC2201	AN5215	LINEAR IC	
IC2202	TDA8417/V3	LINEAR IC	MTV
IC2301	CXA2021S	LINEAR IC	
IC2302	AN7124	LINEAR IC	MTV
IC3001	M51321P	LINEAR IC	
IC3003	TC4066BFN	IC	MTV
IC3004	TC4066BFN	IC	MTV
IC3501	CF72416	IC	MTV
IC3502	CF70204NW	IC	MTV
IC3503	MN1280R	IC (MOS IC)	
IC3505	TC4066BFN	IC	MTV
IC3506	TC4066BFN	IC	MTV

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	TRANSISTORS		
Ref.No.	Part No.	Description	
Q101	2SC945AQR-T	TRANSISTOR	MTV
Q102	2SC2188	TRANSISTOR	
Q103	2SC945AQR-T	TRANSISTOR	MTV
Q104	2SC1047	TRANSISTOR	
Q140	2SC945AQR-T	TRANSISTOR	MTV
Q150	2SC945AQR-T	TRANSISTOR	MTV
Q151	2SC945AQR-T	TRANSISTOR	MTV
Q160	2SC945AQR-T	TRANSISTOR	MTV
Q351	2SC3063	TRANSISTOR	
Q352	2SC3063	TRANSISTOR	
Q353	2SC3063	TRANSISTOR	
Q354	2SC1685-Q	TRANSISTOR	
Q355	2SC1685-Q	TRANSISTOR	
Q356	2SC1685-Q	TRANSISTOR	
Q360	2SB1011	TRANSISTOR	
Q361	2SB1011	TRANSISTOR	
Q362	2SB1011	TRANSISTOR	
Q363	2SA564QR	TRANSISTOR	MTV
Q433	2SA564A-R	TRANSISTOR	
Q440	2SC945AQR-T	TRANSISTOR	MTV
Q441	2SA564A-R	TRANSISTOR	
Q442	2SC945AQR-T	TRANSISTOR	MTV
Q520	2SA564A-R	TRANSISTOR	
Q550	2SC2653HLB	TRANSISTOR	
Q551	2SD1556	TRANSISTOR	
Q651	2SC945AQR-T	TRANSISTOR	MTV
Q710	2SD1499	TRANSISTOR	
Q711	2SA564A-R	TRANSISTOR	
Q712	2SA564A-R	TRANSISTOR	
Q801	2SC4581	TRANSISTOR	
Q802	2SD1207	TRANSISTOR	
Q807	2SA684	TRANSISTOR	
Q808	2SC1815	TRANSISTOR	
Q809	2SC1815	TRANSISTOR	
Q810	2SC3940A	TRANSISTOR	
Q845	2SC1815	TRANSISTOR	
Q846	2SC1815	TRANSISTOR	
Q847	2SA1859	TRANSISTOR	
Q1130	2SC945AQR-T	TRANSISTOR	MTV
Q1131	2SC945AQR-T	TRANSISTOR	MTV
Q1132	2SA564A-R	TRANSISTOR	
Q1133	2SC945AQR-T	TRANSISTOR	MTV
Q1140	2SC945AQR-T	TRANSISTOR	MTV
Q1180	2SC945AQR-T	TRANSISTOR	MTV
Q1190	2SC945AQR-T	TRANSISTOR	MTV
Q2001	2SC1685-Q	TRANSISTOR	
Q2002	2SC1685-Q	TRANSISTOR	
Q2301	2SC945AQR-T	TRANSISTOR	MTV

Ref.No.	Part No.	Description	
Q2303	2SA564A-R	TRANSISTOR	
Q3001	2SD601ATX	TRANSISTOR	MTV
Q3002	2SD601ATX	TRANSISTOR	MTV
Q3003	2SD601ATX	TRANSISTOR	MTV
Q3004	2SD601ATX	TRANSISTOR	MTV
Q3005	2SC1685-Q	TRANSISTOR	
Q3006	2SD601ATX	TRANSISTOR	MTV
Q3008	2SD601ATX	TRANSISTOR	MTV
Q3009	2SD601ATX	TRANSISTOR	MTV
Q3010	2SD601ATX	TRANSISTOR	MTV
Q3011	2SD601ATX	TRANSISTOR	MTV
Q3013	2SD601ATX	TRANSISTOR	MTV
Q3015	2SD601ATX	TRANSISTOR	MTV
Q3016	2SD601ATX	TRANSISTOR	MTV
Q3503	2SD601ATX	TRANSISTOR	MTV
Q3504	2SD601ATX	TRANSISTOR	MTV
Q3505	2SD601ATX	TRANSISTOR	MTV
Q3506	2SB709ATX	TRANSISTOR	MTV
Q3507	2SD601ATX	TRANSISTOR	MTV
Q3508	2SD601ATX	TRANSISTOR	MTV
	OTHERS		
E.12	TJS5A9420	8P CONNECTOR	
E.13	TJS5A9420	8P CONNECTOR	
E.16	TJS3A9640	3P CONNECTOR	
E.17	TJS3A8980	24P CONNECTOR	
E.22	T1DX04PB2	CONNECTOR	MTV
E.32	TJS3A9660	CONNECTOR	MTV
E.33	T1DX04PB2	CONNECTOR	MTV
E.35	TJSF00216	16P CONNECTOR	
E.38	TJS5A8130	CONNECTOR	MTV
E.39	TJS5A8130	CONNECTOR	MTV
F801	XBA2C40TR0	FUSE 250V 4A	⚠
H.16	TJS1A8090	PHONO PIN	
H.17	TJS3A8990	24P CONNECTOR	
J.79	ERJ6GEY0R00	M 0OHM,J,1/10W	
J.80	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA1	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA2	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA3	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA5	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA6	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA7	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA9	ERJ6GEY0R00	M 0OHM,J,1/10W	
JK351	TJS1A5210	CRT SOCKET	
JK3001	TJB4G609-1	REAR AV TERMINAL	MTV
JS1102	ERD25V0R00	C OOHM, 1/4W	
JS1110	ERD25V0R00	C OOHM, 1/4W	
JS1145	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1160	ERD25V0R00	C OOHM, 1/4W	

Ref.No.	Part No.	Description	
JS3092	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3093	ERJ6GEY0R00	M 0OHM,J,1/10W	
NC.12	TJS3A9140	CONNECTOR	
NC.13	TJS3A9140	CONNECTOR	
P.1	TJS4G403	4P CONNECTOR	
P.35	TJSF00316	16P CONNECTOR	
R.1	TJS4G404	4P CONNECTOR	
S801	ESB91232A	SWITCH	
S1101	EVQ21405R	SWITCH	
S1102	EVQ21405R	SWITCH	
S1103	EVQ21405R	SWITCH	
S1104	EVQ21405R	SWITCH	
S1105	EVQ21405R	SWITCH	
S1106	EVQ21405R	SWITCH	
S1107	EVQ21405R	SWITCH	
TNR1	TNVC04B01	TUNER	MTV ⚠
X101	K6267K	SAW FILTER	MTV
X102	K9351M	SAW FILTER	MTV
X180	EFCS5M7MW3	CERAMIC FILTER	
X181	EFCS6R0MW5	CERAMIC FILTER	
X182	EFCS6R5MW5	CERAMIC FILTER	
X183	EFCS4R5MW5	CERAMIC FILTER	
X201	CSB1000J527	CRYSTAL OSC	MTV
X202	SFSH6R0MDB	CERAMIC FILTER	MTV
X203	EFCS6R5MS5	CERAMIC FILTER	
X204	EFCS5R5MS5	CERAMIC FILTER	
X205	EFCS4R5MS5	FILTER	
X580	CSB500F48	CRYSTAL OSC	MTV
X601	TS116M20	CRYSTAL OSC	MTV
X602	TS816M32	CRYSTAL OSC	MTV
X1160	EF0EC1205B4	CERAMIC RESONATOR	
X2030	TSS2061-M	CRYSTAL	
X2201	EFCS5R74KS4	CERAMIC FILTER	
X2215	TSS2076-M	CRYSTAL	
X3501	TSS2004-M	CRYSTAL	
X.38	TJS3A9140	CONNECTOR	
X.39	TJS3A9140	CONNECTOR	
Y.32	TJS3A9660	CONNECTOR	MTV
Y.33	TJS3A9650	CONNECTOR	MTV